



**Australian Government**

**Department of Education, Employment and Workplace Relations**

# **TLIF0079A Select a safe vehicle**

**Release: 1**

## **TLIF0079A Select a safe vehicle**

### **Modification History**

Not Applicable

### **Unit Descriptor**

#### **Unit Descriptor**

This unit involves the skills and knowledge required to understand and select a vehicle for safety in accordance with approved standards, safeworking and regulatory requirements. It includes identifying types of cars, identifying safety features of cars, and how those safety features affect safety. Licensing or certification requirements are not applicable to this unit.

### **Application of the Unit**

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Work is performed under supervision, generally within a team environment. It involves the application of routine operational principles and procedures to demonstrate awareness of selecting a safe vehicle as part of driving activities across a variety of operational contexts within Australia.

### **Licensing/Regulatory Information**

Refer to Unit Descriptor

### **Pre-Requisites**

Not Applicable

## **Employability Skills Information**

**Employability Skills**            This unit contains employability skills.

## **Elements and Performance Criteria Pre-Content**

Elements describe the essential outcomes of a unit of competency.

Performance criteria describe the required performance needed to demonstrate achievement of the element. Assessment of performance is to be consistent with the evidence guide.

## Elements and Performance Criteria

<b>ELEMENT</b>	<b>PERFORMANCE CRITERIA</b>
<b>1 Identify different motor vehicle types applicable to first time drivers</b>	<p>1.1 The characteristics of motor vehicles for purchase that can be used by first time users are identified and observed</p> <p>1.2 Licensing requirements for drivers of differing motor vehicles that can be used by first time users are described</p> <p>1.3 The Australian new and used car rating system is utilised to select an appropriate vehicle</p>
<b>2 Recognise safety features and design safety in motor vehicles</b>	<p>2.1 Different safety features of vehicles are identified and explained</p> <p>2.2 Safety features and their function to protect the driver and other road users are described</p> <p>2.3 Primary/passive safety features of motor vehicles are identified</p> <p>2.4 Secondary/active safety features of motor vehicles are identified</p>
<b>3 Identify factors that can affect vehicle safety</b>	<p>3.1 Corrosion and its effect on vehicle safety is described</p> <p>3.2 Tyre inflation and tyre wear are recognised</p> <p>3.3 Vehicle fluids and their effect on vehicle safety are identified</p> <p>3.4 Seat belts and their condition and the effects on road safety are explained</p> <p>3.5 The importance of correct maintenance on motor vehicle safety is described</p>

## Required Skills and Knowledge

### REQUIRED KNOWLEDGE AND SKILLS

This describes the essential knowledge and skills and their level required for this unit.

#### Required knowledge:

- Knowledge of English language
- Knowledge of what regulations/rules are
- Knowledge of what a strategy is
- Difference between positive and negative
- Knowledge of what a risk is and how it affects performance

#### Required skills:

- Communicate effectively with others
- Read and interpret instructions, procedures and information

**Required skills:**

- Interpret and follow instructions
- Complete basic documentation
- Use basic interpersonal and communication skills (including listening and questioning, receiving feedback)
- Recognise limitations and ask for help
- Be able to assimilate instruction

**Evidence Guide****EVIDENCE GUIDE**

The evidence guide provides advice on assessment and must be read in conjunction with the performance criteria, required knowledge and skills, the range statement and the assessment guidelines for this Training Package.

**Critical aspects for assessment and evidence required to demonstrate competency in this unit**

- The evidence required to demonstrate competency in this unit must be relevant to and satisfy all of the requirements of the elements and performance criteria of this unit and include demonstration of:
  - applying the underpinning knowledge and skills
  - demonstrating selection of safe motor vehicle
  - identifying reasons for selection of a safe motor vehicle

**Context of and specific resources for assessment**

- Performance is demonstrated consistently over a period of time and in a suitable range of contexts
- Resources for assessment include:
  - a range of relevant exercises, case studies and/or other simulated practical and knowledge assessment, and/or
  - access to an appropriate range of relevant operational situations
- In both real and simulated environments, access is required to:
  - relevant and appropriate materials and equipment, and
  - applicable documentation including workplace procedures, regulations, codes of practice and operation manuals

**Method of assessment**

- As a minimum, assessment of knowledge must be conducted through appropriate assessments using

## EVIDENCE GUIDE

- written/practical/oral assessments
- Practical assessment must occur:
  - through activities in an appropriately simulated environment, and/or
  - in an appropriate range of situations
- Simulators are not suitable for final assessment of this unit of competency
- Driving a vehicle is not part of the assessment of this unit of competency

## Range Statement

### RANGE STATEMENT

The range statement relates to the unit of competency as a whole. It allows for different work environments and situations that may affect performance.

Other road users may include:

- pedestrians
- cyclists and skaters
- passengers
- other drivers
- farm vehicles
- mobility scooters
- segways
- heavy commercial vehicles

Safety features may include:

- lighting:
  - headlights on warning/auto
  - daytime running lights
  - hazard light activate in severe crash
  - driving lights
  - fog lamps
- vehicle:
  - top speed limiter
  - seat belt interlock
  - seat belt load limiters front
  - speed alarm
  - high transmittance glazing
  - knee bolster/padding
  - laminated or shatter-proof glazing for all windows

## RANGE STATEMENT

- seat belt webbing grabbers front
- seat belt pre-tensioner front
- anti-submarining seat design
- helmets/head bands for occupants
- seat belt buckle mounted on seat
- pedestrian friendly vehicle front
- ABS brakes
- side airbag - front seat thorax
- driver airbag
- conspicuous vehicle body colour
- load restraint devices (tethers)
- intelligent speed adaption
- improved foot protection
- speed sensitive intermittent wipers
- automatic wipers
- adjustable head restraint
- head protection padding
- cargo barrier
- external mirrors electrically adjustment
- bonnet airbag for pedestrian protection
- smart airbag
- crash recorder
- mobile phone available in event of accident
- seat belt load limiters rear
- alcohol/drug interlock
- seat belt d-ring height adjustable
- mayday distress call in severe crash
- cruise control
- engine immobiliser
- automatic transmission
- adjustable lumbar support
- adjustable steering column
- adjustable driver's seat (multifunction)
- cooled/heated driver's seat
- side airbag - front head-protecting (curtain)
- headway radar for closing speeds
- front passenger airbag
- fuel and engine cut-off (severe crash)

## RANGE STATEMENT

- seat belt centre rear-point
- head rest for rear outboard seats
- power steering
- seat belt webbing grabbers rear
- seat belt pre-tensioners rear
- head restraints for all rear seats
- side airbag rear thorax
- inflatable seat belt
- independent rear suspension
- auto dimming rear view mirror
- child seat integrated
- harness seat belt for adults
- side airbag rear head-protecting
- navigation system (GPS)
- traction control
- run flat tyres
- anti fogging (heated) ext mirrors
- tyre pressure monitoring
- air conditioning/climate control

Vehicle fluid may include:

- engine
- windscreen water
- radiator coolant
- brake fluid
- transmission fluid
- radiator/cooling system
- battery
- air conditioner
- fuel

Passive safety features of motor vehicles may include:

- airbags (front/side/curtain)
- air conditioning
- automatic transmission
- cargo barrier
- cruise control
- daytime running lights
- head restraints
- mirrors
- over-speed warning devices
- seats
- seat belts



**RANGE STATEMENT**

Active safety features of motor vehicles may include:

- steering wheel
- frontal impact protection
- Anti-lock Braking System (ABS)
- Electronic Stability Control (ESC)
- tyres
- Electronic Brake Assist (EBA)
- Electronic Brake force Distribution (EBD)

**Unit Sector(s)**

Not Applicable

**Competency Field**

**Competency Field**                      F - Safety Management