

Braking:

Numerous braking methods will be demonstrated from 50 kph on various road surfaces from wet to dry. On completion PULSE BRAKING will be demonstrated and the students will practice pulse braking until they are confident and efficient in the application.



Emergency Lane Change:

This exercise represents the motorway multiple vehicle collision scenario. The student is faced with a situation where he or she has to brake, slow a vehicle down on a slippery surface and then making a steering manoeuvre through a restricted space into a new lane.

Aquaplane:

Aquaplane recognition and recovery.



The Simulator

The simulator was designed and built in Sweden. It has four hydraulic rams which are controlled electronically by height adjusting sensors, which the instructor controls from within the vehicle. This allows the vehicle to be raised or lowered to pre-selected heights from the road surface. For example, by raising the rear of the vehicle, oversteer can be simulated. By lifting both the front and rear of the vehicle, a low friction surface can be simulated i.e. (black-ice).

The advantage of this system is that various skids can be simulated at low safe speeds (20 kph). This allows the novice driver to comprehend and deal with any type of skid. The system is simplistic in operation and allows the instructor to have full control over the vehicle at all times.

To organise mobile training in your Unit location or for more information contact:

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THE AUSTRALIAN ARMY



DEFENSIVE DRIVING SIMULATOR

For Army Recruiting Information Please Call
13 1901 (Regular Army) – 13 1902 (Army Reserve)

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DEFENSIVE DRIVING SIMULATOR

The Army Commitment to Road Safety



In 1992 the Australian Army extended its commitment to Road Safety by introducing the Accident Avoidance Course via Skid Car Simulators. Skid Car frames are fitted to both the Land Rover 110 and sedans. The training is compulsory for all Army personnel under going driver training prior to issuing a drivers licence.

Mobile Training

In 1994 Mobile Training was introduced with the purchase of a Kenworth Semi-Trailer. The combination is capable of carrying three Skid Car Simulators. The training is available throughout Australia, to any unit of the Australian Defence Force (ADF). The Mobile Training Team requires minimal external support and can train up to twenty four students a day.



The Accident Avoidance Course

Aim:

- To enable a driver to understand, comprehend and deal with emergency situations.
- To produce a smooth driving style which enables a driver to reduce vehicle running costs through modified attitudes and improved driving skills whilst at the same time reducing the likelihood of a road crash.
- To produce a more aware and coherent driver in control of the vehicle regardless of adverse driving conditions and potential crash situations.



Course Brief:

The student is briefed on vehicle dynamics, cornering, eye control and the hazard action plan. Included is a brief on the Accident Avoidance Course which is broken into five stages as listed below.

Slalom:

Slalom is further broken into five phases:

- slalom with full grip,
- oversteer,
- oversteer with power steering,
- understeer, and
- low friction surface (snow, ice, mud or gravel).

Evasive Action:

The exercise has been developed to enable a driver to avoid a sudden unexpected hazard.

The Evasive Action will enable a driver to avoid one of the following:

- the head on,
- nose to tail,
- nose to side, and
- a stationary object.