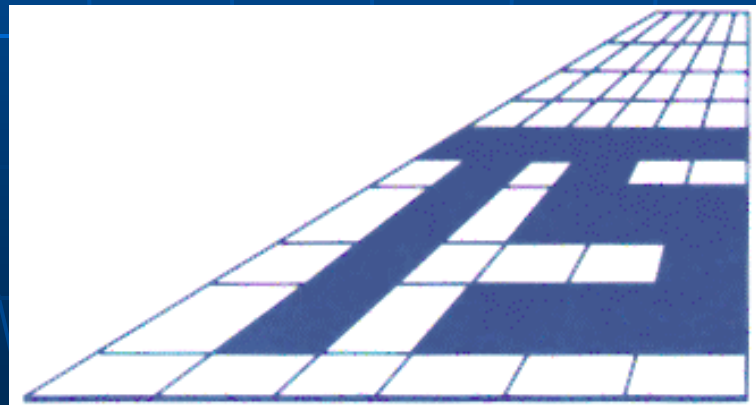


TERRA SEARCH VEHICLE

- Induction on Safe Driving



How to use this presentation

- This presentation will run for about 30-40 min.
- Take your time and pay attention.
- If you do not understand certain information or you would like to have more information **please refer to the General Field Operations and Safety Manual or ask the Field Manager.**
- After the presentation you will complete a written test to demonstrate that you do understand all aspects of Terra Search's Vehicle Induction on Safe Driving.



Contents

1. Introduction
2. Rules
3. Precautions
4. Vehicle Checks



1. Introduction

More **fatalities** occur with motor vehicles than with any other task or equipment, and **careless use of vehicles** produces more serious accidents and injuries than any other cause.



DON'T DRIVE AS IF YOU OWN THE ROAD...

... DRIVE AS IF YOU OWN THE CAR!!!



1. Introduction cont'd

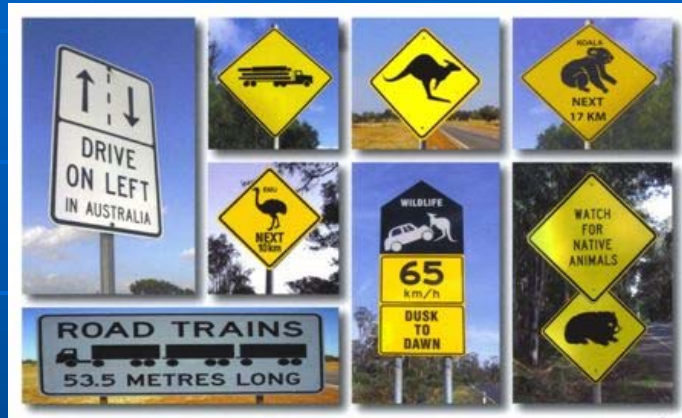
This power point presentation is intended to:

- Provide details of the Terra Search policy in regard to safe vehicle conduct, maintenance and recovery.
- Help employees develop better safety awareness in potentially hazardous driving conditions.
- Outline safe work practices for common recovery & repair operations.
- Help avoid exposing yourself or your workmates to potentially dangerous situations.

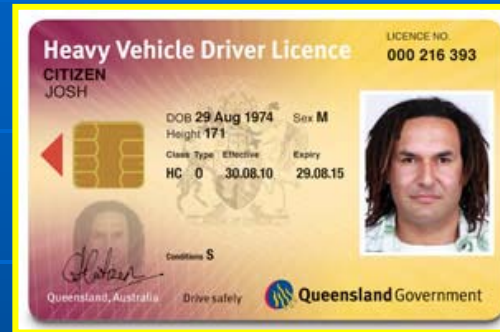
**Safety is your responsibility – not someone else's.
IF IN DOUBT ... ASK YOUR FIELD MANAGER**



2. Rules



Drivers must obey all traffic and parking regulations



A Terra Search vehicle may only be operated by a licensed driver



Payment of Police or Council fines is the driver's responsibility. The same conditions apply for hire vehicles



2. Rules cont'd

Current penalties for speeding



- Less than 13 kilometres per hour (km/h) over the speed limit:
A\$133 + one demerit point.
- At least 13 km/h but not more than 20 km/h over the speed limit:
A\$200 + three demerit points.
- More than 20 km/h but not more than 30 km/h over the speed limit:
A\$333 + four demerit points.



- More than 30 km/h but not more than 40 km/h over the speed limit:
A\$466 + six demerit points.
- More than 40 km/h over the speed limit:
A\$933 + eight demerit points and six month suspension.



2. Rules cont'd

Don't forget to **switch over tanks**, always start with the sub tank, then switch to the main tank.



Engine damage can be prevented if temperature and oil pressure gauges are monitored regularly



2. Rules cont'd

Failure to follow road rules, drive to conditions and adhere to instructions provided in inductions and by your supervisor is dangerous driving and is not acceptable.

Dangerous driving by any employee will not be tolerated. Irrespective of an employee's driving qualifications any supervisor may forbid an employee to drive a vehicle if the supervisor considers that the employee is a dangerous driver. **Dangerous driving can lead to termination of employment.**

Police tell drivers to go slow in wet



TRAGEDY . . . a man died when his ute was torn in two during a head-on near Toomulla Beach turn-off

Another life lost on road

By LEONIE JOHNSON

A BALGAL Beach man died instantly after a head-on collision on the Bruce Highway yesterday morning ripped his ute in two.

Initial police investigations revealed James Vincent Hair, 27, was the sole occupant of the severely damaged Ford utility, which veered into the path of a WD Nissan Navara about 5.10am near the Toomulla Beach turn-off.

The high-speed collision left the Navara embedded in the side of the barely recognisable Ford.

Its tray was torn from the body from the car and thrown several metres.

It took emergency services more than an hour to cut the male passenger of the Navara free of the tangled wreckage.

He was taken to Toomulla Hospital with chest injuries, while the male driver of the Navara was so hospitalised, with abdominal injuries.

Both remained in a stable condition yesterday afternoon.

The three men involved were believed to work in the trades industry and are on their way to work.

Rollingstone Police station officer-in-charge sergeant Brad Gough said police were yesterday asked us to what had caused the accident.



Police investigate the cause of yesterday's crash Photo: SCOTT RADFORD-CHISHOLM

"The cause of the accident will remain a mystery for a while yet," he said.

"We're satisfied that there was no drugs or alcohol involved for either driver."

"We haven't ruled out driver fatigue, mechanical failures, weather or speed — it could have been a combination but we just don't know at the moment."

Sgt Gough said weather conditions at the time of the crash were terrible.

"There were very bad weather conditions with monsoonal rain coming down in sheets," he said.

"After those heavy falls there is often a large

amount of water on the highway.

"It's not unusual for vehicles to aquaplane."

"We're asking people to use their commonsense and drive to the weather and road conditions."

"This is a tragic accident that has taken a young man's life and it was probably an accident that could have been avoided."

It's believed Mr Hair was only recently married.

His wife was advised of the tragedy yesterday morning.

"The highway was closed for several hours while the Forensic Crash Unit investigated the crash."

It was reopened about 9.00am.

Both vehicles were towed to the Deeragun Police holding yards to undergo a mechanical inspection.

Northern Region Traffic co-ordinator Inspector Brian Richardson said this year's carnage on the North's roads was the worst he could remember in recent years.

He said the crash had a similar scenario to an accident several kilometres down the highway that killed four people a year ago.

Yesterday's accident brings the Northern Region road toll to six — two more than the same time last year.



2. Rules Cont'd

- Many of the roads you will travel on are unfenced, poorly maintained (even main roads and highways) and have long stretches that promote fatigue. Ensure you take 15min rest breaks at least every TWO HOURS.

- Much of Terra Search's work is carried out on dirt roads in remote areas. There is often no signage so you must be alert and aware of conditions and other traffic.

Always drive to road conditions and be realistic about your own experience and abilities.



Desirable employees make others feel comfortable about being their passenger.

2. Rules cont'd

Don't



Any employee who is convicted of a 'driving under the influence' charge in a company vehicle or during work hours will be **instantly dismissed.**



2. Rules cont'd



Every passenger in a company vehicle **must wear** a properly fastened **seat belt** while the vehicle is moving (on or off the road).



Passengers are only to ride in the cabin of vehicles and may not, under any circumstances ride on the back of open trucks or utilities.



2. Rules cont'd

Vehicles must not be driven faster than the statutory state speed limit. Always drive a lot slower when not on public roads and never take sharp corners at unsafe speeds.



Slow down. Dust may be disguising an oncoming vehicle, pot holes, loose gravel and slippery mud patches.

Turn on your headlights where visibility is poor. Consider stopping if you can't see the road in front of you.

Take it EASY!!!



2. Rules cont'd

A significant cause of damage to gearboxes in Company vehicles is caused by simply being in the wrong gear.

- Do NOT use 5th gear (overdrive) when in a town or built up area.
- Overdrive is strictly for highway use only.
- Overdrive gear does NOT give you sufficient power to overtake in a safe manner, change down to overtake.
- Overdrive REDUCES the power available to the engine, remember this when towing uphill etc and do not strain the engine, change down a gear instead.

2 Rules cont'd

Every Terra Search vehicle is to be **checked daily** by the authorised user. Items to be inspected during these checks are listed in Section 4.



2 Rules cont'd

All employees must be instructed in safe driving methods and in the recommended methods of jacking, winching and puncture repairs, before they begin field work. All employees are to carry out vehicle operations in the recommended manner.

Don't learn safety by accident



2 Rules cont'd

The operation of electronic devices (i.e. MP3, Mobile Phones etc.) is **prohibited while driving**.



Arrange your MP3 etc. before driving, when stationary and out of traffic.

Keep volume level low and not distracting.
Your primary concern is driving safely.

Use hands free on your phone, or deal with it when you stop.

You are driving a vehicle, not in a nightclub.

Have respect for your own life and those of others.

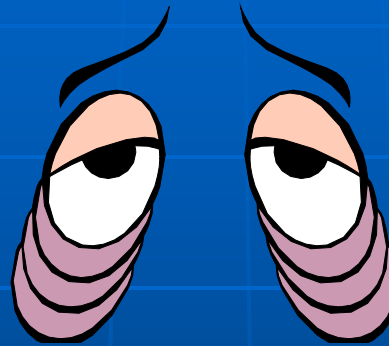


3. Precautions

Vehicle Accident Hazards:



Poor
Visibility



Fatigue

feeling cramped or fidgety; your vehicle wandering on the road; your speed varying; overtaking vehicles startling you; yawning constantly; your mind is wandering; your eyelids are heavy; and you are impatient



Excessive
Speed



Emotional
Stress



Mechanical Defects



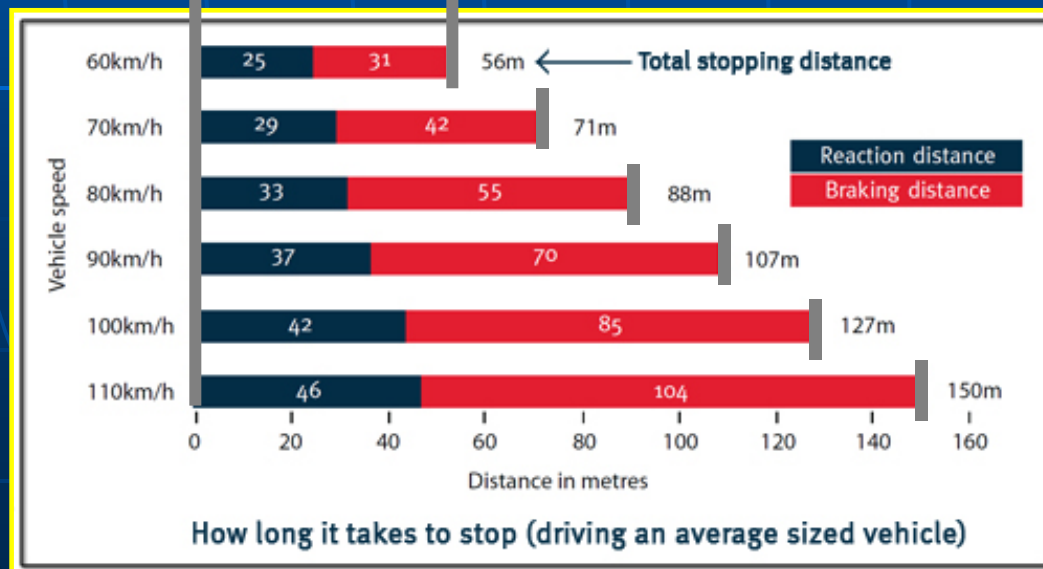
3. Precautions

Driving at a speed which allows the driver to completely stop the vehicle before any unforeseen danger. Learn your vehicles braking distance at various speeds, and drive at a safe speed for the road length visible.

At 100km/hr it takes 85m to stop from the time you apply the brakes. That's 1 1/3 cricket pitches or 3/4 of a rugby field.

Point at which you observe hazard

Point at which you actually stop



Are you driving fast enough to kill someone, or slow enough to walk away...



3. Precautions

Drive **slowly through a dust cloud** and beware of cattle and vehicles which may 'suddenly' appear.



Don't attempt to pass a vehicle which is travelling in a cloud of dust.



3. Precautions

In areas of poor visibility (dust, smoke, fog, rain, twilight)

switch **HEADLIGHTS** on!



Storm south of Cloncurry, December 2008



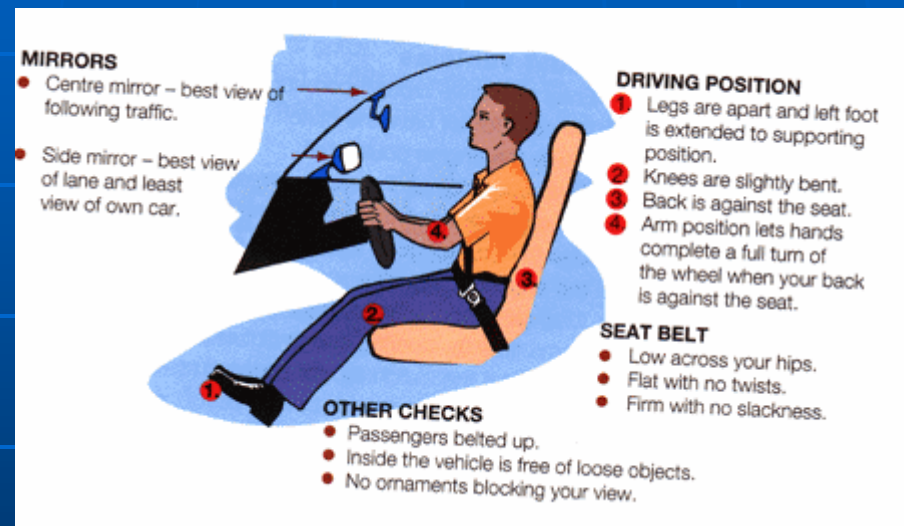
3. Precautions

Frequently inspect the car. Check steering and braking systems after each field trip. Repair any faults as soon as they are recognised. Electrical wiring should be checked by an auto electrician.



3. Precautions cont'd

Driving Position:



Ensure you are in a **comfortable and safe** driving position



3. Precautions cont'd

Driving in the Bush:



Avoid travelling fast on rough terrain.

Rocks, creeks and gullies should be crossed with care.



3. Precautions cont'd

Driving in the Bush:



Cattle and kangaroos are a particular hazard on **road verges** and care should be taken when driving at **dusk or dawn**.

Don't swerve to avoid animals – braking in a straight line may help to avoid a rollover.



3. Precautions cont'd

Driving in the Bush:

The **correct speed** is that at which the driver has

COMPLETE CONTROL

of the vehicle.

(Remember your braking distance, safety distance, to slow down before sharp corners sufficiently to allow for another vehicle coming from the opposite direction, and that Utilities have a high point of gravity, which makes them susceptible to roll over.)



3. Precautions cont'd

Beware of **Roadtrains**:

On one-lane roads and dirt roads **PULL OVER AND STOP** when Roadtrain is approaching.



3. Precautions cont'd

Driving in the Bush:



Check the underside of the vehicle at the end of each period of bush driving, to remove grass or sticks caught underneath.



3. Precautions cont'd

Driving on Open Road:



Do not 'tailgate' under any circumstances!

Keep a safe two second reaction time distance to vehicle ahead of you.

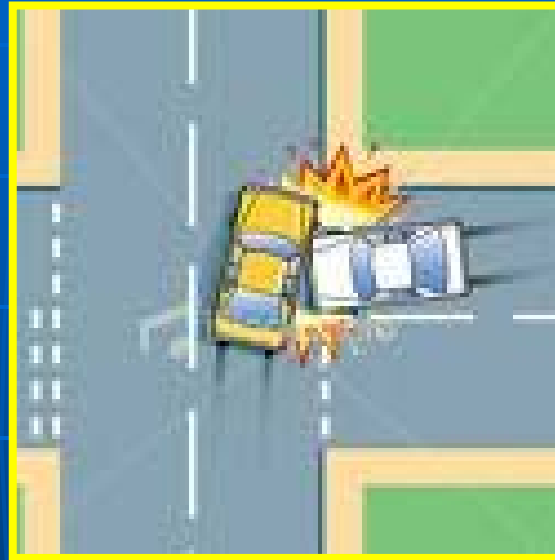
Keeping a safe distance will also reduce the chance of windscreen damage.



3. Precautions cont'd

Driving on Open Road:

BE AWARE

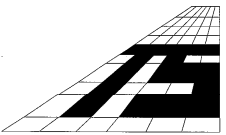


During city driving, most accidents occur at intersections – these need particular care. Pay extra attention, especially if you have been out driving in the bush for a period of time.



4 Vehicle checks

Daily checking procedure to be carried out before the start of each working day. Refer to and record checking procedures in Vehicle Check Book in glove box:



TERRA SEARCH
VEHICLE PRE-USE CHECK JOURNAL

This book is to remain in the vehicle and must be filled out daily

Registration/Vehicle No: _____

Date Started: _____

Date Finished: _____

VEHICLE PRE-USE CHECK LIST

COMPANY:..... LOCATION:.....

DAILY CHECK	DATE
Battery	
Oil / fluids / radiator	
Tyre condition	
Underbody - oil leaks / foreign objects	
Initials of check conductor	

WEEKLY CHECK	DATE: Conducted by:
Lights - indicators / headlights / tail / brake / reversal	
Dash Lights - lit on obligation and obligation only	
Foot Brake - apply break and check resistance	
Hand Brake - apply break and check resistance	
Reversing alarm audible (if applicable)	
Steering - check for stop / wander or excessive movement	
Tyre / wheel condition / wheel nuts tight	
Windscreen condition / water jets / wipers	
Fire Extinguisher - check gauge	
First Aid Box - check contents	
Horn	
Oil and Radiator Fluid Level	
2 way radio operational	
Winch condition - check winch is operational	
Comments:	

Have any defects been reported previously that are awaiting repair? Yes/No

Defect reported to:

Signed:..... Date:.....

Vehicle Check List

Yes	No	N/A	Symbol	Description
			☒	Star Crack
			+	Large dent
			+	Small dent
			☒	Scam Dent

Operating Instructions in Vehicle

100 watt Chitin Radio Tested

Jack and Handles

Tools

Puncture Repair Kit

Tyre Levers

Spare Tyre



2nd Spare Tyre

Recovery Kit

Fire Extinguisher

First Aid Kit

Winch Cable



4 Vehicle checks

Exterior:



Dents



Hubs



Tyres



Load



Underneath



Water Tank



Windscreen



Radio Aerial & Winch



4 Vehicle checks

Under Bonnet:

Windscreen



Washer Bottle

Battery



Air Filter



Debris



Brake and Clutch Fluids



Radiator Cap



Radiator Reservoir Bottle

Engine Oil



Power Steering Fluid



Belts



4 Vehicle checks

Cabin area (with motor off):

Handbrake



Jack,
Jack Handle



First Aid Kit



Tools



Fire
Extinguisher

Wheel Nut
Spanner

Fuel Gauges



Trip Meter



Mobile Radio



Clutch,
Foot Brake



4 Vehicle checks

Cabin area
(with motor off):

Radio Charts &
Safety Manual



Puncture
Repair
Kit

Winch
Hand
Piece

Steering



Wipers
and
Washers

Horn

Lights

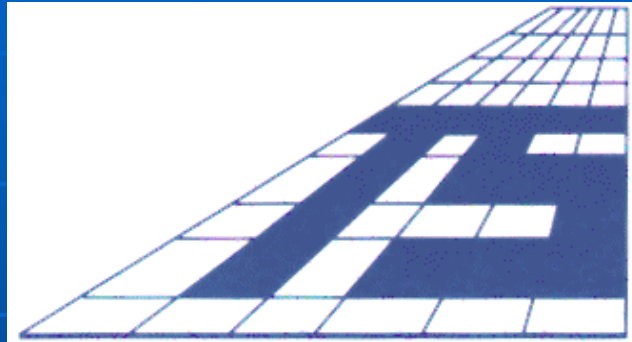


4 Vehicle checks

Operating Checks (motor on):



End of Presentation



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Specialists in Mineral Exploration,
Geology and Computing