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**Course Code 4WD1 (TLIC107C) Gravel Roads**

<b>TARGET AUDIENCE</b>	All persons required to drive four wheel drive vehicles on sealed and unsealed roads. Suited to mining, oil and gas, construction, agricultural and environmental sectors.
<b>DURATION</b>	7.5 hours
<b>AIM</b>	To improve participant knowledge and skills in operating four wheel drive vehicles in a wide range of situations and conditions to reduce crashes, lower vehicle running costs and be more aware of environmental issues that relate to driving. Client specific information can be included in the presentation. Course participants will receive a Statement of Attainment upon completion of the course.
<b>CONTENT</b>	<p>This course combines elements of <b>National Competency TLIC107C</b> (formerly TDTC197B, now superseded) with basic Four Wheel Drive operation on gravel roads. Through structured information and practical sessions the following areas will be covered:</p> <ul style="list-style-type: none"><li> Risks associated with day to day and minesite driving (gravel roads)</li><li> The additional risks associated with operating four wheel drives as compared to passenger vehicles</li><li> Pre-drive vehicle inspections. (Pre- journey planning)</li><li> Wheel changing</li><li> Four wheel drive systems (part-time/full-time)</li><li> Free wheeling hubs</li><li> Tyres and inflation</li><li> Seating position and cabin safety</li><li> Braking distances and techniques</li><li> Fatigue management (journey management)</li><li> Animals and stock on road</li><li> The effects of alcohol impairment on drivers</li><li> Employing a “system of car control” to prevent loss of control</li></ul>

-  When four wheel drive should be employed
-  Transmission wind up
-  Low risk and crash avoidance techniques
-  Road law
-  Basic principals of driving on unsealed roads and “off road” driving

## LEARNING OUTCOME

-  Develop an awareness of how attitude and risk taking behavior effect driver safety and the safety of others
-  Demonstrate the ability to perform pre-drive vehicle inspections
-  Demonstrate wheel changing ability
-  Learn about the early warning signs of fatigue and how to avoid this serious problem.
-  Understand how alcohol affects drivers
-  Understand the basic types of 4WD systems and the advantages and disadvantages of 4WD vehicles.
-  Understand the risks associated with driving and the statistics that support this.
-  Understand the importance of correct tyre pressures and the effect on safety, tyre life and fuel efficiency.
-  Understand the importance of seat belts, along with the securing of loads and the dangers of loose items.
-  Through practical driving manoeuvres develop an awareness of stopping distances and speed. Particularly how the degree of difficulty increases exponentially in relation to actual speed.
-  Learn about the types and causes of skids and how to prevent rather than control these situations.
-  Develop ways to predict potential hazards, identify risk situations and minimise danger. Understand the importance of drivers keeping their vision up and maintaining “safety cushions”.
-  Develop understanding and knowledge in relation to road law and the way the law is interpreted.
-  Understand that there are strategies to combat frustration and impatience when driving.
-  Through practical driving manoeuvres develop skills and knowledge in operating four wheel drive vehicles in a wide range of off road situations

## LOGISTICS

This course can be conducted from a variety of facilities available to Drive Safe Australia or suitable “on site” areas.

The normal mode of delivery is a maximum participant/trainer ratio of four to one.