



Australian Government

FWPCOT3259 Operate a four wheel drive on unsealed roads

Release: 1

FWPCOT3259 Operate a four wheel drive on unsealed roads

Modification History

Release	Comment
1	<p>Replaces equivalent unit FPICOT3259 Operate a four wheel drive on unsealed roads, which was first released with FPI11 Forest and Forest Products Training Package Version 1.0.</p> <p>This is the first release of this unit in the new standards format.</p>

Application

This unit of competency describes the outcomes required to safely operate a four wheel drive (4x4) vehicle on unsealed roads.

The unit applies to operating a 4x4 vehicle in a variety of work settings with different terrains.

Licensing, legislative, regulatory, or certification requirements apply to this unit in some states and territories at the time of publication, and may differ according to jurisdiction.

Pre-requisite Unit

Nil

Unit Sector

Forest Growing and Management

Harvesting and Haulage

Sawmilling and Processing

Timber Manufactured Products

Elements and Performance Criteria

ELEMENTS	PERFORMANCE CRITERIA
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold italicised text is used, further information is detailed in the range of conditions.</i>
1. Identify four-wheel drive specific terms and	1.1 Access, interpret and apply information relevant to operating a four-wheel drive vehicle on unsealed roads.

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terminology	<p>1.2 Identify the structural and handling differences between a conventional two-wheel drive vehicle and a four-wheel drive vehicle.</p> <p>1.3 Identify four-wheel drive techniques.</p>
2. Conduct checks of 4x4 vehicle and equipment	<p>2.1 Perform pre-start checks.</p> <p>2.2 Secure loads in line with organisational, workplace safety and environmental requirements.</p> <p>2.3 Select suitable navigation aids where necessary.</p> <p>2.4 Advise passengers of any special safety precautions to be taken when traversing rough terrain.</p> <p>2.5 Check that tyre pressure is suitable for terrain and that it is changed as required in line with organisational procedures.</p> <p>2.6 Select and access maintenance equipment prior to departure after considering the contextual issues.</p>
3. Prepare for 4x4 operations	<p>3.1 Identify and follow work health and safety (WHS), environmental, and organisational requirements relevant to operating a 4x4 vehicle.</p> <p>3.2 Determine type of operation and ensure safe operating conditions.</p> <p>3.3 Establish communication with others and choose the required safety mechanisms in line with organisational requirements.</p>
4. Operate 4x4 vehicle on unsealed terrain types	<p>4.1 Continually monitor the track to identify hazards, assess risks, and select the best route in line with WHS and environmental requirements.</p> <p>4.2 Identify situations where the engagement of four-wheel drive is required and engage front hubs or centre differential lock where fitted.</p> <p>4.3 Use appropriate range, gear, speed, driving and braking technique to negotiate a range of terrain types while maintaining control of vehicle at all times.</p> <p>4.4 Check brakes and undercarriage after negotiating varying terrain.</p> <p>4.5 Park and shut down 4x4 vehicle in line with manufacturer specifications and organisational requirements.</p>
5. Operate 4x4 vehicle on a steep slope	<p>5.1 Inspect intended 4x4 vehicle path prior to negotiation of slope.</p> <p>5.2 Use appropriate range, gear, speed, driving and braking technique to negotiate a steep slope, while maintaining control of</p>

ELEMENTS	PERFORMANCE CRITERIA
	<p>vehicle.</p> <p>5.3 Use control braking to ascend and descend, and avoid skidding.</p> <p>5.4 Maintain traction in line with requirements of 4x4 vehicle.</p> <p>5.5 Apply appropriate automatic and manual techniques when 4x4 vehicle cannot proceed any further on a steep slope due to traction problems.</p>
6. Perform maintenance and minor repairs on 4x4 vehicles	<p>6.1 Perform operational maintenance and minor repairs as detailed in the vehicle operator manual and report vehicle defects to the appropriate person.</p> <p>6.2 Demonstrate safe use of a jack to support a 4x4 vehicle while changing a tyre under relevant road terrains and conditions within the operating environment</p> <p>6.3 Clean and store 4x4 vehicle and equipment after use in line with manufacturer specifications and organisational procedures.</p> <p>6.4 Document maintenance and minor repairs in line with organisational procedures.</p>

Foundation Skills

This section describes those core and employment skills that are essential to performance and are not explicit in the performance criteria.

Numeracy skills to:	<ul style="list-style-type: none"> correctly adjust tyre pressure and follow operating instructions on instruments for checking, repairing and operating a four wheel drive vehicle estimate the impact of shape of terrain on driving conditions estimate time of a journey, water depth and fuel consumption.
Reading skills to:	<ul style="list-style-type: none"> follow instructions in safety and equipment manuals when checking and operating four wheel drive vehicle interpret diagrams on equipment or in operational manuals.
Problem solving skills to:	<ul style="list-style-type: none"> identify problems and equipment faults in four wheel drive vehicles and demonstrate appropriate response procedures identify potential hazards and operational faults when driving four wheel drive vehicles and demonstrate appropriate response procedures demonstrate appropriate response procedures to driving conditions when driving four wheel drive vehicles.

Range of Conditions

Not Applicable

Unit Mapping Information

FPICOT3259 Operate a four wheel drive on unsealed roads

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47>