



Australian Government

FWPCOT3325 Operate four wheel drive vehicle on unsealed roads

Release: 1

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Modification History

Release	Comments
Release 1	This version released with Forest and Wood Products Training Package Version 7.0.

Application

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

The unit applies to individuals who operate four wheel drive vehicles in a variety of work settings and industry sectors, including forestry, agriculture, construction, tourism and energy.

All work must be carried out to comply with workplace procedures, according to state/territory health and safety regulations, legislation and standards that apply to the workplace.

Individuals must hold a driver licence or a provisional driver licence prior to commencing this unit of competency.

Pre-requisite Unit

Nil

Unit Sector

Common Technical (COT)

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.</i>
1. Prepare for operations	1.1 Access, interpret and apply vehicle manufacturer information relevant to operating a four wheel drive vehicle on unsealed roads 1.2 Identify the structural and handling differences between a conventional two wheel drive vehicle and a four wheel drive vehicle

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	<p>1.3 Determine type of operation and ensure safe operating conditions</p> <p>1.4 Identify, fit and use suitable personal protective equipment</p> <p>1.5 Perform pre-start checks</p> <p>1.6 Establish and check communication with others, including convoy procedures</p> <p>1.7 Secure loads according to safety, environmental and regulatory requirements</p> <p>1.8 Research weather and topography for a planned trip on unsealed roads</p>
2. Operate vehicle on unsealed roads	<p>2.1 Check and change tyre pressure suitable for unsealed road according to workplace procedures</p> <p>2.2 Continually monitor the track to identify hazards, assess risks and select the best route according to safety and environmental requirements</p> <p>2.3 Identify situations where the engagement of four wheel drive is required and engage front hubs or centre differential lock where fitted</p> <p>2.4 Use range, gear, speed, driving and braking technique appropriate to surface conditions while maintaining control of vehicle at all times</p> <p>2.5 Check brake operation and undercarriage after operating vehicle on unsealed road conditions</p> <p>2.6 Park and shut down vehicle</p>
3. Ascend and descend slopes less than 15 degrees	<p>3.1 Inspect intended vehicle path before negotiation of slope</p> <p>3.2 Use appropriate range, gear, speed, driving and braking technique to negotiate a slope while maintaining control of vehicle</p> <p>3.3 Use appropriate braking methods, user applied and vehicle controlled function, where fitted, to descend a slope</p> <p>3.4 Maintain traction and minimise wheel spin</p> <p>3.5 Apply appropriate automatic and manual techniques when vehicle cannot proceed any further on a slope</p>
4. Complete operation	<p>4.1 Conduct a post-trip inspection of vehicle</p> <p>4.2 Complete post-trip documentation, including maintenance and minor repairs reports</p>

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential for performance in this unit of competency but are not explicit in the performance criteria.

Skill	Description
Reading	<ul style="list-style-type: none"> Read and comprehend basic factual information on four wheel drive vehicle equipment labels and in manufacturer manuals
Writing	<ul style="list-style-type: none"> Complete workplace forms using required format, industry terminology and structure
Oral communication	<ul style="list-style-type: none"> Use effective verbal communication techniques to convey instructions to people involved in four wheel drive operation
Numeracy	<ul style="list-style-type: none"> Estimate time of a journey and fuel consumption

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
FWPCOT3325 Operate four wheel drive vehicle on unsealed roads	FWPCOT3259 Operate a four wheel drive on unsealed roads	Updated unit title Updated Elements and Performance Criteria Updated and added new Knowledge Evidence and Performance Evidence Reworded Foundation Skills Updated Assessment Conditions	Not equivalent

Links

Companion Volumes, including Implementation Guides, are available at VETNet: - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47>