



Australian Government

FWPCOT3329 Perform complex four wheel drive operations

Release: 1

FWPCOT3329 Perform complex four wheel drive operations

Modification History

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

Application

This unit of competency describes the skills and knowledge required to safely operate four wheel drive vehicles in difficult terrain. Difficult terrain has surface conditions that include frequent steepes and/or rocks, slippery or sandy track sections, and including possible water crossings.

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 seeking to undertake this unit should have prior experience in operating four wheel drive vehicles on unsealed surfaces.

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 complex four wheel drive	1.1 Identify and assess types of trip and terrain being accessed for safe operating conditions

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
operations	1.2 Check vehicle for suitability for the task 1.3 Identify and check operation of suitable communication equipment and protocols in the event of misadventure 1.4 Identify, fit and use suitable personal protective equipment 1.5 Secure loads according to safety, environmental and regulatory requirements 1.6 Ensure emergency rations food/water and clothing are carried
2. Operate vehicle in steep terrain	2.1 Assess the steep terrain and determine what may cause loss of traction 2.2 Perform steep ascent and descent using appropriate driving methods 2.3 Perform forward and reverse stop start recovery on an incline according to the type of transmission 2.4 Set vehicle controls according to manufacturer specifications
3. Operate vehicle over difficult terrain	3.1 Assess difficult terrain 3.2 Select appropriate wheel placement 3.3 Negotiate difficult terrain using vehicle's traction aids 3.4 Identify impact that wet weather or wet tracks will have on driving style 3.5 Set vehicle controls according to manufacturer specifications 3.6 Check vehicle for damage after driving
4. Operate vehicle through water crossing	4.1 Assess the water crossing 4.2 Identify wading depth of vehicle according to manufacturer specifications 4.3 Identify vulnerable mechanical aspects of the vehicle and prepare the vehicle for water crossing 4.4 Select appropriate range and gear and other traction aids for the water crossing 4.5 Perform water crossing by maintaining steady constant speed 4.6 Drain water from vehicle back into water crossing 4.7 Dry brakes after water crossing

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
5. Perform post-trip tasks	5.1 Notify relevant personnel of trip completion 5.2 Complete post-trip inspection of vehicle 5.3 Record and report any repairs or replacement or damaged items to relevant personnel

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"> Interpret basic factual information on road signs and in manufacturer manual
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 and questioning to convey information to passengers
Numeracy	<ul style="list-style-type: none"> Estimate distances, travelling times, fuel volume and consumption and speeds

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
FWPCOT3329 Perform complex four wheel drive operations	FWPFGM3215 Perform complex four wheel drive operations	Updated Elements and Performance Criteria Updated and added new Knowledge Evidence and Performance Evidence Reworded Foundation Skills Updated Assessment	Not equivalent

		Conditions	
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Links

Companion Volumes, including Implementation Guides, are available at VETNet: -

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