

Modification history

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

FWPCOT3XXX	Recover four wheel drive vehicle
Application	<p>This unit of competency describes the skills and knowledge required to use recovery equipment to recover four-wheel drive vehicles in difficult terrain conditions.</p> <p>The unit applies to individuals who recover four wheel drive vehicles in a variety of work settings and industry sectors including forestry, agriculture, construction, tourism and energy.</p> <p>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.</p> <p>Individuals must hold a recognised or provisional driver's licence prior to commencing this unit of competency.</p>
Prerequisite Unit	
Unit Sector	Common Technical (COT)

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. Identify loads, ratings and equipment serviceability related to four wheel vehicle recovery	1.1 Determine the Gross Vehicle Mass (GVM) and recovery load of vehicle 1.2 Identify the rating and labelling of recovery gear 1.3 Identify rated recovery points on a vehicle 1.4 Determine the appropriate equipment to be used given the GVM, recovery load and the equipment rating 1.5 Determine serviceability of recovery equipment required for task
2. Plan recovery	2.1 Identify and follow work health and safety procedures including selection and use of personal protective equipment relevant to recovery operations 2.2 Identify, assess and take actions to mitigate risks and hazards associated with recovery operations 2.3 Identify and implement workplace environmental protection procedures associated with recovery operations 2.4 Identify emergency procedures to follow in the event of accident or incident 2.5 Locate and survey site to determine recovery strategy and establishment of an exclusion zone 2.7 Inform appropriate personnel of location of vehicle to be recovered and recovery strategy
3. Perform kinetic rope or strap recovery	3.1 Establish and maintain communications with appropriate personnel during recovery operation 3.2 Establish when to start and when and by what means to start and stop the recovery 3.3 Lay out the kinetic rope/strap prior to recovery 3.4 Fit the kinetic rope/strap to rated recovery points 3.5 Demonstrate the joining of two kinetic ropes and/or straps 3.6 Identify where to place dampeners 3.7 Perform a safe recovery using the kinetic rope/strap

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
4. Perform winch recovery	4.1 Establish and maintain communications with appropriate personnel during recovery operation 4.2 Establish when and how to start stop the recovery 4.3 Lay out all the equipment to be used including the dampeners 4.4 Perform winch recovery using a single line pull 4.5 Perform winch recovery using a double line pull using a snatch block or pulley ring 4.6 Perform winch recovery using a change of direction pull using a snatch block or pulley ring
5. Use other recovery tools and equipment	5.1 Use a spade for vehicle recovery 5.2 Use traction boards for vehicle recovery
6. Maintain vehicle recovery equipment	6.1 Clean, carry out operator maintenance, check serviceability and store recovery equipment after use according to manufacturer requirements 6.2 Record equipment maintenance according to workplace procedures.

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 tool and 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 in vicinity location of recovery operation
Numeracy	<ul style="list-style-type: none"> Apply numeric skills to check rating of recovery equipment

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
FWPCOT3XXX Recover four wheel drive vehicle	FWPCOT3260 Recover four wheel drive vehicle	Updated Elements and Performance Criteria Updated and added new Knowledge 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
-------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

TITLE	Assessment requirements for FWPCOT3XXX Recover four wheel drive vehicle
Performance Evidence	
<p>An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit.</p> <p>There must be evidence that the individual has:</p> <ul style="list-style-type: none"> performed two kinetic rope and/or strap recoveries performed one of the following winch recoveries: <ul style="list-style-type: none"> single line double line change of direction. <p>In conducting each of the above tasks, the individual has:</p> <ul style="list-style-type: none"> determined the appropriate equipment to be used given the Gross Vehicle Mass (GVM), recovery load, equipment rating and chosen strategy. <p>There must be also evidence that on one occasion the individual has:</p> <ul style="list-style-type: none"> joined two kinetic ropes and/or straps used traction boards during a recovery operation. 	
Knowledge Evidence	
<p>An individual must be able to demonstrate the knowledge required to perform the tasks outlined in the elements and performance criteria of this unit. This includes knowledge of:</p> <ul style="list-style-type: none"> safety procedures during recovery operations reasons and procedures for establishing exclusion zone Gross Vehicle Mass (GVM) <ul style="list-style-type: none"> formula used to calculate recovery load resistance identifying which vehicle's GVM should be used in relation to kinetic recovery ratings used on recovery equipment <ul style="list-style-type: none"> MBS of ropes, straps and soft shackles WLL (Working Load Limit) of hard shackles drag chains pulley blocks pulley rings winches (wire and/or rope) anchor point selection number, location and weighting of strap dampeners rated recovery points <ul style="list-style-type: none"> characteristics and purpose of rated recovery points location of rated recovery points what is and what is not a rated recovery point kinetic recovery <ul style="list-style-type: none"> kinetic recovery procedure manufacturer recommendations on recovery techniques and equipment winches <ul style="list-style-type: none"> types, main components, ratings and manufacturer recommendation for use effect of the layers of wrap of rope or wire on a winch drum effects of a ring or snatch block on the load on a winch impact of angle of rope or cable on recovery operation procedures for easing the load on a winch the reasons for not driving while winching maintenance of recovery gear <ul style="list-style-type: none"> straps/ropes winches. 	

Assessment Conditions	
<p>Assessment of the skills in this unit of competency must take place under the following conditions:</p> <ul style="list-style-type: none"> physical conditions: <ul style="list-style-type: none"> skills must be demonstrated in a work environment or an environment that accurately represents workplace conditions work environment must include varied terrains and conditions from which to recover vehicle resources, equipment and materials: <ul style="list-style-type: none"> four wheel drive to recover rated recovery equipment for four wheel drive vehicle relevant personnel for the purposes of communicating information personal protective and safety equipment required for recovering a four wheel drive vehicle specifications: <ul style="list-style-type: none"> workplace safety and environmental policies and procedures applicable to the recovery of four wheel drive vehicle. <p>Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.</p>	
Links	Companion Volumes, including Implementation Guides, are available at VETNet: https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47