



Australian Government

Assessment Requirements for FWPCOT3326 Recover four wheel drive vehicle

Release: 2

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Modification History

Release	Comments
Release 2	This version released with Forest and Wood Products Training Package Version 8.0.
Release 1	This version released with Forest and Wood Products Training Package Version 7.0.

Performance Evidence

An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit.

There must be evidence that the individual has:

- performed two kinetic rope and/or strap recoveries
- performed one of each of the following winch recoveries:
 - single line
 - double line
 - change of direction.

In conducting each of the above tasks, the individual has:

- estimated the recovery load using a recognised formula
- determined the Gross Vehicle Mass (GVM) of the vehicle/s in the recovery
- determined the rating of the equipment being used
- determined the most appropriate recovery strategy to be used
- assessed why the vehicle is bogged, taken action to ensure vehicle is in four wheel drive, taken action to clear obstructions from the vehicle, taken action to use traction boards where available, determined safest method of recovery if straps or winches are to be used
- determined the appropriate equipment to be used given the GVM, equipment rating and chosen strategy.

There must also be evidence that on one occasion the individual has joined two kinetic ropes and/or straps.

Knowledge Evidence

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:

- safety procedures during recovery operations
- recognised formula used to estimate the recovery load and what variables apply to this formula
- reasons and procedures for establishing exclusion zone
- Gross Vehicle Mass (GVM):
 - identifying which vehicle's GVM should be used in relation to kinetic recovery
- ratings used on recovery equipment:
 - MBS (Minimum Breaking Strength) 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:
 - characteristics and purpose of rated recovery points
 - location of rated recovery points
 - what is and what is not a rated recovery point
- kinetic recovery:
 - kinetic recovery procedure
 - manufacturer recommendations on recovery techniques and equipment
- winches:
 - 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:
 - straps/ropes
 - winches.

Assessment Conditions

Assessment of the skills in this unit of competency must take place under the following conditions:

- physical conditions:
 - 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:
 - 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:
 - workplace safety and environmental policies and procedures applicable to the recovery of four wheel drive vehicle.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

Links

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