



Australian Government

DEFVEH001 Conduct recovery vehicle operations in a field environment

Release: 1

DEFVEH001 Conduct recovery vehicle operations in a field environment

Modification History

Release 1. This is the first release of this unit of competency in the DEF Defence Training Package.

Application

This unit specifies the skills and knowledge required to undertake recovery of broken down vehicles and equipment, requiring the operation of specialist recovery vehicles and equipment.

It includes preparing for recovery vehicle tasks, dispatching the recovery vehicle to an incident site, retrieving disabled equipment and moving it to a place of repair. It also includes transporting disabled equipment and finalising recovery tasks.

This unit does not cover the extraction of disabled equipment by winching techniques, which is covered by DEFVEH002 Extract disabled equipment using winching techniques in a field environment.

The skills and knowledge described in this unit must be applied within the legislative, regulatory and policy environment in which they are carried out. Organisational policies and procedures must be consulted and adhered to.

Persons undertaking this unit lead a small team to recover vehicles and equipment. Specialist recovery vehicles and equipment includes towing, lifting and winching equipment.

Persons must be capable of assessing recovery situations in remote environments and tasking personnel to complete operations in isolation from supervision or support.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Not applicable

Competency Field

Vehicle Recovery

Unit Sector

Not applicable.

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

PERFORMANCE CRITERIA

Performance criteria describe the performance needed to demonstrate achievement of the element.

1 Prepare for recovery tasks

- 1.1** Obtain and confirm orders and instructions
- 1.2** Check and prepare recovery vehicle and equipment for deployment in accordance with organisational procedures
- 1.3** Confirm and organise resources required for operational tasks
- 1.4** Brief recovery crew about task in accordance with organisational procedures
- 1.5** Report identified problems/shortfalls to appropriate personnel in accordance with organisational procedures so corrective action can occur prior to deployment
- 1.6** Apply work health and safety (WHS)/occupational health and safety (OHS) requirements and recognised safety precautions throughout the operation in accordance with organisational procedures
- 1.7** Identify, assess and implement environmentally sustainable work practices, as required

2 Deploy recovery equipment

- 2.1** Deploy recovery vehicle to recovery site in accordance with organisational procedures
- 2.2** Communicate effectively with relevant vehicle recovery activity stakeholders to ensure everyone is aware of recovery procedures

3 Recover disabled equipment

- 3.1** Diagnose equipment casualty faults, where possible, to ensure efficient and cost effective recovery actions
- 3.2** Assess recovery situation in accordance with organisational procedures to determine appropriate recovery method
- 3.3** Assess safety risks associated with recovery task and implement control measures to ensure a safe working environment in accordance with organisational

- procedures
- 3.4** Brief on-site personnel, allocate tasks and supervise personnel in accordance with organisational procedures
 - 3.5** Complete recovery tasks in accordance with organisational procedures
 - 3.6** Respond to minor unplanned situations in accordance with organisational procedures, in a manner that minimises risk to personnel and equipment
 - 3.7** Report major incidents outside scope of vehicle recovery team capability to appropriate personnel
- 4 Transport disabled equipment**
- 4.1** Secure disabled equipment to recovery vehicle in accordance with manufacturer instructions and organisational procedures
 - 4.2** Assess the stability and braking capability of recovery vehicle to ensure it is safe to transport disabled equipment
 - 4.3** Drive recovery vehicle to maintenance facility
 - 4.4** Manage unplanned incidents as they occur in accordance with organisational procedures
- 5 Finalise recovery tasks**
- 5.1** Hand over equipment casualty to owner or recover further, as required
 - 5.2** Complete documentation, including reports and returns, in accordance with organisational procedures
 - 5.3** Supervise and conduct maintenance in accordance with organisational procedures
 - 5.4** Report faulty equipment and take corrective actions, as required
 - 5.5** Debrief recovery crew as required, in accordance with organisational procedures

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

Range is restricted to essential operating conditions and any other variables essential to the work environment.

Non-essential conditions may be found in the Companion Volume Implementation Guide.

Unit Mapping Information

This unit replaces and is equivalent to DEFVH001A Conduct recovery vehicle operations in a field environment.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=6bdbab1e-11ed-4bc9-9cba-9e1a55d4e4a9>

Assessment Requirements for DEFVEH001 Conduct recovery vehicle operations in a field environment

Modification History

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Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements and performance criteria on at least one occasion and include:

- allocating appropriate materials and personnel to tasks
- applying relevant legislation and organisational policies and procedures
- applying safety, legislative and statutory requirements relevant to the recovery vehicle operations risk assessment
- assessing recovery situations in remote environments and tasking personnel to complete operations isolated from supervision or support
- communicating effectively in the workplace
- conducting vehicle operations taking into account the characteristics of the equipment casualty and recovery equipment when determining suitable recovery methods
- deploying recovery equipment appropriate for tasks and field environment
- directing, briefing, coordinating and monitoring personnel
- finalising recovery tasks
- identifying, interpreting and analysing risk assessment requirements relevant to recovery vehicle operations in a field environment
- interpreting instructions and directions
- operating specialist recovery vehicles and equipment
- performing a lift/tow recovery of a light and a medium/heavy rigid vehicle
- performing a trailer recovery involving a medium/heavy rigid vehicle (or equivalent)
- preparing for recovery tasks
- recovering and transporting disabled equipment
- solving task specific problems and unplanned events/incidence in accordance with organisational procedures.

Knowledge Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements and performance criteria and include knowledge of:

- basic engineering principles including:
 - characteristics and capabilities of recovery vehicles and equipment

- material capabilities
- theory of levers and pulleys
- basic vehicle mechanical principles
- common equipment casualty faults including:
 - damaged driveline
 - electrical system faults
 - engine/transmission faults
 - fuel system faults
- functions and responsibilities of team members
- maintenance requirements and procedures
- relevant minor problems, major incidents and unplanned situations risk mitigation organisational procedures
- recovery methods and procedures
- recovery vehicle and equipment specifications and capabilities
- relevant organisational policies and procedures including:
 - work health and safety (WHS)/occupational health and safety (OHS) procedures relevant to field recovery operations
- reporting requirements and procedures
- safety risk and precautions associated with recovery tasks.

Assessment Conditions

As a minimum, assessors must satisfy applicable regulatory requirements, which include requirements in the Standards for Registered Training Organisations current at the time of assessment.

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Assessment must occur in field environment operational situations where it is appropriate to do so; where this is not appropriate, assessment must occur in simulated field environment operational situations that replicate workplace conditions.

Assessment processes and techniques must be appropriate to the language, literacy and numeracy requirements of the work being performed and the needs of the candidate.

Resources for assessment must include access to:

- a range of relevant exercises, case studies and/or other simulations
- relevant and appropriate materials, tools, equipment and personal protective equipment currently used in industry
- recovery vehicle, associated equipment and crew
- actual or simulated vehicle/equipment casualties
- applicable documentation including relevant organisational workplace procedures, publications, regulations, codes of practice and operation manuals.

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