



Australian Government

DEFPET002 Conduct field refuelling operations using drum stock

Release: 1

DEFPET002 Conduct field refuelling operations using drum stock

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 refuel vehicles and equipment from packaged fuel within a field environment or small temporary field refuelling site.

It includes preparing, conducting and finalising field refuelling operations.

This unit applies to Defence personnel working in fuelling operations but could apply to persons working in a similar 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 work under supervision and perform specific tasks in a range of contexts.

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

Pre-requisite Unit

Not applicable

Competency Field

Petroleum Operations

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.

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|--|---|
| 1 Prepare for refuelling operations | 1.1 Inspect equipment for serviceability and prepare for operation in accordance with manufacturer specifications and operational procedures |
| | 1.2 Establish refuelling site |
| | 1.3 Select and use safety equipment in accordance with manufacturer specifications and operational procedures |
| | 1.4 Test fuel for contamination, quarantine as required and report to relevant personnel |
| | 1.5 Implement environmentally sustainable work practices, where feasible |
| | 1.6 Calculate mass, volume and special requirements of packaged fuel products |
| 2 Perform refuelling operations | 2.1 Monitor refuelling operations and rectify faults as required, in accordance with operational procedures |
| | 2.2 Deliver fuel products as required, to meet task requirements |
| 3 Finalise refuelling operations | 3.1 Shut down, maintain and pack away refuelling equipment |
| | 3.2 Compile refuelling documentation in accordance with operational procedures |
| | 3.3 Issue other fuel products, as required |
| | 3.4 Refurbish refuelling site in accordance with operational 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 DEFPE002A Conduct field refuelling operations using drum stock.

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 DEFPET002 Conduct field refuelling operations using drum stock

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:

- applying relevant legislation, and organisational policies and procedures
- calculating the mass, volume and special requirements of packaged fuel products
- conducting field refuelling operations using drum stock
- controlling fuel spills
- earthing equipment and vehicles
- interpreting fuel markings and panels
- operating refuelling equipment
- responding to emergencies using emergency response plans
- supplying liquid fuels and other fuel products
- testing fuel for product contamination
- using drums up to 205 litres and small portable fuel bladders
- using small motorised and hand fuel pumping equipment.

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:

- Australian dangerous goods codes including:
 - segregation and storage requirements
- causes of explosions and related preventative measures
- emergency/incident response plans
- environmental protection
- fuel products and fuel transfer systems
- functions and responsibilities of team members during refuelling and fuel transfer operations
- hydraulics principles
- liquid fuels must include:
 - aviation gasoline
 - aviation turbine fuels
 - diesel fuel

- ground gasoline
- kerosene
- other fuel products include:
 - anti-freeze fluids
 - greases
 - oils and lubricants
 - temporary protectives
- relevant legislation and organisational policies and procedures
- physical properties of fuels
- valve and hose systems.

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.

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

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.

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

Resources for assessment must include access to:

- a range of relevant exercises, case studies and/or other simulations
- relevant and appropriate materials, tools, safety equipment and personal protective equipment currently used in industry including:
 - workplace refuelling systems and fuel products
 - specific workplace operating procedures and publications
- applicable documentation including operational procedures, regulations, codes of practice and operation manuals.

Links

Companion Volume implementation guides are found in VETNet -

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