



Australian Government

DEFPET003 Test fuel hoses

Release: 1

DEFPET003 Test fuel hoses

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 perform hydrostatic and continuity testing of petroleum hoses.

It includes preparing for and performing fuel hose testing process, and finalising test procedures.

This unit applies to persons working as petroleum operators in Defence but is applicable to any individual in this field of work.

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 independently and as part of a team under supervision, and perform routine 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 testing process | 1.1 Interpret and apply relevant industry standards, industry and safety requirements relating to hydrostatic and continuity testing of petroleum hoses |
| | 1.2 Inspect and test equipment for serviceability prior to operations in accordance with manufacturer specifications and operational procedures |
| | 1.3 Apply hydrostatic safety requirements to conduct continuity testing process |
| | 1.4 Select and fit relevant personal protective equipment |
| 2 Perform fuel hose tests | 2.1 Perform continuity tests to meet task requirements |
| | 2.2 Perform hydrostatic tests to meet task requirements |
| | 2.3 Conduct secondary tests where accuracy is in doubt or abnormal results obtained |
| 3 Finalise test procedures | 3.1 Record and report test results in accordance with operational procedures |
| | 3.2 Classify and label hoses in accordance with test results |
| | 3.3 Quarantine and report hoses that fail test standards to relevant personnel |

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 DEFPE003A Test fuel hoses.

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 DEFPET003 Test fuel hoses

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
- compiling test documentation
- interpreting relevant industry testing requirements and standards
- operating hydrostatic and continuity test equipment
- performing tests at stipulated intervals including:
 - hydrostatic pressure test
 - continuity test
- handling hoses that fail testing procedures including:
 - quarantining hose
 - reporting to relevant personnel
- performing multiple tests on different sizes and types of petroleum hoses used in the workplace.

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:

- hose serviceability
- purging equipment
- relevant dangerous/hazardous goods codes including:
 - segregation and storage requirements
- relevant industry standards including:
 - hose and hose assemblies for distribution of petroleum and petroleum products
- relevant organisational policies and procedures
- safety requirements including:
 - bunding
 - location of testing
 - personal protective equipment
 - pressure in accordance with relevant industry standards

- manufacturer specifications
- stakeholder communication
- test equipment including:
 - multimeter
 - hydraulic pressure tester
- use of common hand tools and specialist equipment.

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, equipment and personal protective equipment currently used in industry including:
- workplace specific fuel hoses
- specific test equipment
- relevant industry standards, and workplace operating procedures and publications
 - applicable documentation including operational procedures, regulations, codes of practice and operation manuals.

Links

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