



Australian Government

**Assessment Requirements for DEFPET005
Assist in the construction and operation of a
non-permanent inland pipeline system**

Release: 1

Assessment Requirements for DEFPET005 Assist in the construction and operation of a non-permanent inland pipeline system

Modification History

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

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 dangerous/hazardous goods handling procedures
- applying relevant legislation, statutory requirements and operational policies and procedures
- communicating effectively with relevant personnel
- constructing a pipeline system that is greater than 1 km in length and that uses a minimum of two pumps
- decommissioning liquid pipeline system
- identifying, interpreting and analysing risk assessment requirements relevant to work being performed
- interpreting fuel markings and panels, and technical diagrams and publications
- labelling pipeline on or near hazardous chemical using signs or other appropriate labels
- preparing for construction and maintenance of an inland pipeline distribution system
- operating liquid transfer systems
- pigging a pipeline
- recovering equipment
- refurbishing site
- testing a distribution system
- transferring liquid using an inland pipeline distribution system.

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
- characteristics and capabilities of liquid pipelines and pumping equipment
- communication protocols
- dangerous/hazardous goods handling procedures
- decommission liquid distribution system and must include one or more of the following:

- deconstructing the system
- pigging the pipeline
- recovering equipment
- emergency response plans
- environmentally sustainable work practices
- liquid testing procedures including:
 - fuel products
- functions and responsibilities of team members
- hazard control methods associated with liquid products
- maintenance procedures for liquid transfer systems
- minor repairs including:
 - emergency repairs to hoses
- non-permanent inland pipeline distribution system including:
 - filters
 - fittings
 - metres
 - pipes
 - pumps
- pigging system
- relevant equipment manufacturer specifications
- relevant operational policies and procedures
- relevant work health and safety (WHS)/occupational health and safety (OHS) and environmental control legislation and policies
- schematic diagrams
- testing distribution system including:
 - conducting pressure testing
 - ensuring a closed system
 - ensuring installation conforms to schematic diagram
 - pressing the line with air
 - security of all components, fittings and fasteners
- unplanned event and problemsolving operational procedures.

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 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
- liquid pipelines, pumping equipment and suitable products
- relevant and appropriate materials, tools, safety equipment and personal protective equipment currently used in industry including:
 - eye protection
 - hearing protection
 - high visibility clothing
 - gloves
 - safety headwear and footwear
- applicable documentation including specific workplace operating procedures, publications, 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>