



**Australian Government**

# **PMASUP241 Maintain pipeline easements**

**Release: 1**

# PMASUP241 Maintain pipeline easements

## Modification History

Release 1. Supersedes and is equivalent to PMASUP241B Maintain pipeline easements

## Application

This unit of competency covers the skills and knowledge required to maintain and ensure pipeline integrity.

This unit of competency applies to operators who are required to conduct ground and/or aerial patrols; monitor and report on signage, gate or other difficulties; identify and advise the organisation of any pipeline operational problems; and facilitate access and provision of resources to deal with pipeline incidents.

This unit of competency applies to an individual working alone or as part of a team or group and working in liaison with other shift team members and the control room operator, as appropriate.

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

## Pre-requisite Unit

Nil

## Competency Field

Support

## Unit Sector

## Elements and Performance Criteria

Elements describe the essential outcomes.

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

1	<b>Plan and prepare maintenance activity</b>	1.1	Interpret topographical and geographical maps to determine the selection of access to pipeline route
		1.2	Select and operate equipment appropriate to the maintenance task in accordance with procedures
		1.3	Inspect and assess easement to determine the required maintenance activities
		1.4	Interpret assessment results and take action

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|---|---|-----|---|
| 2 | <b>Maintain pipeline easement and surrounding environment</b> | 2.1 | Maintain easement in accordance with legislative requirements and enterprise requirements |
|   |   | 2.2 | Isolate and secure any required work areas as required by procedures                      |
|   |   | 2.3 | Monitor and log the condition of signage/gates and easement ancillary equipment           |
|   |   | 2.4 | Take action, as required  |
|   |   |     |   |
| 3 | <b>Maintain liaison with stakeholders</b>                     | 3.1 | Maintain continuous liaison and contact with pipeline system stakeholders                 |
|   |   | 3.2 | Advise stakeholders of intended activities in accordance with procedures                  |
|   |   | 3.3 | Conduct meetings with stakeholders to discuss notified issues as required                 |
|   |   | 3.4 | Record meeting outcomes in accordance with legislative and enterprise requirements        |
|   |   | 3.5 | Take action, as required  |
|   |   |     |   |
| 4 | <b>Control hazards</b>  | 4.1 | Identify hazards in pipeline work area  |
|   |   | 4.2 | Assess the risks arising from those hazards   |
|   |   | 4.3 | Implement measures to control those risks in line with procedures and duty of care        |

## Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance.

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

## Range of Conditions

This field allows for different work environments and conditions that may affect performance. Essential operating conditions that may be present (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) are included.

**Regulatory framework** The latest version of all legislation, regulations, industry codes of practice and Australian/international standards, or the version specified by the local regulatory authority, must be used, and include one or more of the following:

- legislative requirements, including work health and safety (WHS)
- industry codes of practice and guidelines
- environmental regulations and guidelines
- Australian and other standards
- licence and certification requirements

All operations to which this unit applies are subject to stringent health, safety and environment (HSE) requirements, which may be imposed through state/territory or federal legislation, and these must not be compromised at any time. Where there is an apparent conflict between performance criteria and HSE requirements, the HSE requirements take precedence.

**Procedures** All operations must be performed in accordance with relevant procedures.

Procedures are written, verbal, visual, computer-based or in some other form, include one or more of the following:

- emergency procedures
- work instructions
- standard operating procedures (SOPs)
- safe work method statements (SWMS)
- formulas/recipes
- batch sheets
- temporary instructions
- any similar instructions provided for the smooth running of the plant

**Hazards** Hazards include one or more of the following:

- gases and liquids under pressure
- equipment failures
- flammability and explosivity
- hazardous products and materials
- unauthorised personnel

- sharp edges, protrusions or obstructions
- extreme weather
- remoteness/isolation
- other hazards that might arise

**Routine problems**

Routine problems must be resolved by applying known solutions.

Routine problems are predictable and include one or more of the following:

- isolation and risk of exposure
- gas or fluid leaks
- accidental or geophysical rupturing of pipelines

Known solutions are drawn from one or more of the following:

- procedures
- training
- remembered experience

Non-routine problems must be reported according to according to relevant procedures.

**Action**

Action taken in response to problems includes one or more of the following:

- determining problems needing action
- determining possible fault causes
- rectifying problem using appropriate solution within area of responsibility
- following through items initiated until final resolution has occurred
- reporting problems outside area of responsibility to designated person.

**Equipment**

This unit of competency includes all such items of equipment and unit operations which are utilised in the maintenance of pipeline easements, as appropriate to the organisation, including one or more of the following:

- light aircraft (pilot provided)
- off-road vehicles
- gas leakage detectors
- vegetation control documentation and equipment
- workplace mapping (e.g. pipeline alignment drawings, topographical maps and geographical maps)
- pipeline access route manuals

**Easement** An easement is an area or strip through which a pipeline, or similar infrastructure runs. It may be owned by the operating company or a third-party (or government, non-government organisation (NGO) or similar). The pipeline may be above or below the easement.

## Unit Mapping Information

Release 1. Supersedes and is equivalent to PMASUP241B Maintain pipeline easements

## Links

Companion Volume implementation guides are found in VETNet -  
<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=9fc2cf53-e570-4e9f-ad6a-b228ffdb6875>