



Australian Government

PMASUP242 Monitor pipeline civil works

Release: 1

PMASUP242 Monitor pipeline civil works

Modification History

Release 1. Supersedes and is equivalent to PMASUP242B Monitor pipeline civil works

Application

This unit of competency covers the skills and knowledge required to monitor civil works and maintenance being undertaken by external contractors on pipeline easements and associated facilities.

This unit of competency applies to operators who are required to identify and report on the nature of civil works to be undertaken, establish the suitability of the equipment and machinery to be used in the work, ensure the site is accessible to equipment and authorised personnel, and work with third-parties and contractors.

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 Prepare for work | 1.1 | Identify work requirements |
| | 1.2 | Identify and control hazards |
| | 1.3 | Coordinate with appropriate personnel |
| 2 Interpret civil | 2.1 | Determine required civil works through the |

	drawings and data		interpretation of reports and investigations
		2.2	Access and interpret pipeline alignment drawings to determine area of excavation/civil activity
		2.3	Liaise with appropriate authorities, third parties and/or company personnel
3	Inspect machinery	3.1	Inspect equipment required to undertake civil works to ensure that it conforms to requirements
		3.2	Determine most appropriate method of deploying equipment to site
		3.3	Monitor equipment deployment to site and take action
4	Prepare easement/ site for civil activities	4.1	Inspect site for the civil works prior to any work commencing
		4.2	Ensure site is prepared
		4.3	Apply knowledge of pipeline crossing design prior to excavation/ activity commencing
		4.4	Ensure permits have been issued for the work
5	Monitor easement/ site for civil activities	5.1	Monitor civil works and take action
		5.2	Restore the work affected area on completion of civil works
		5.3	Ensure issued permits have been closed

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
- slippery surfaces, spills or leaks
- 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.

Equipment

This unit of competency includes all such items of equipment and unit operations which form part of the monitoring system, including as appropriate to the facility one or more of the following:

- pipe locating equipment
- gas detection equipment
- transport and excavation equipment
- hand tools
- safety signage/barricades and materials

Action

Action 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

Unit Mapping Information

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Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=9fc2cf53-e570-4e9f-ad6a-b228ffdb6875>