



Australian Government

UEGNSG004 Locate, prove and protect utility assets

Release: 1

UEGNSG004 Locate, prove and protect utility assets

Modification History

Release 1. This is the first release of this unit of competency in the UEG Gas Industry Training Package.

Application

This unit involves the skills and knowledge required to locate, prove and protect utility assets.

It includes preparing, locating, proving and low level, short-term protection of assets on work sites where utility industry operations occur.

Persons undertaking this unit would not supervise third party work near a utility asset.

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

Pre-requisite Unit

Not applicable.

Competency Field

Independent Units

Unit Sector

Gas Industry

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

1 Prepare to locate, prove and protect utility assets

PERFORMANCE CRITERIA

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

- 1.1** Job requirements and workplace procedures for the site are obtained and discussed with relevant person/s to confirm the work schedule
- 1.2** Work health and safety (WHS)/occupational health and safety (OHS), environmental and sustainable energy policies and procedures, relevant clearances and no-go

zones are obtained and applied in accordance with workplace procedures

- 1.3** Hazards are identified, risks are assessed and control measures are prioritised, implemented and monitored
- 1.4** Level of responsibility under the relevant work permit and/or notification is obtained and confirmed with relevant person/s in accordance with job requirements and workplace procedures
- 1.5** Relevant person/s, authorities and/or enterprises are consulted to ensure the work is coordinated effectively with others involved
- 1.6** Tools, equipment and personal protective equipment (PPE) required to carry out the work are identified, obtained and checked for correct operation and safety in accordance with workplace procedures
- 1.7** Materials, plans, diagrams, drawings and resources required for the work are obtained in accordance with workplace procedures
- 1.8** Site preparation, safety plan and work schedule are confirmed in accordance with workplace procedures

2 Locate, prove and protect utility assets

- 2.1** WHS/OHS risk control measures, schedule of work and workplace procedures for carrying out work are followed
- 2.2** Materials, tools and equipment required for the work are selected and used correctly and safely in accordance with manufacturer instructions and workplace procedures
- 2.3** Utility asset is located and clearly marked using selected equipment and tools in accordance with workplace procedures
- 2.4** Location of the asset proven using approved methods where permitted in accordance with workplace procedures
- 2.5** Utility asset is protected physically to ensure it is safe and secure in accordance with workplace procedures
- 2.6** Work is carried out to the required quality standard without waste of materials or damage to apparatus, equipment, the surrounding environment or services and

		using sustainable energy principles
	2.7	Unplanned events are referred to immediate supervisor for directions in accordance with workplace procedures
3 Complete work and relevant documentation	3.1	WHS/OHS risk control measures for work completion are followed
	3.2	Work site is tidied and made safe, or handed over to relevant person/s for further work in accordance with workplace procedures
	3.3	Tools, equipment and any surplus resources/materials are cleaned, checked and securely stored in accordance with workplace procedures
	3.4	Relevant person/s are notified of work completion in accordance with workplace procedures
	3.5	Work completion documentation is completed accurately and provided to relevant person/s in accordance with workplace 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 UEG Gas Industry Training Package Companion Volume Implementation Guide.

Unit Mapping Information

This unit replaces and is equivalent to UEGNSG004A Locate, prove and protect utility assets.

Links

Companion Volume Implementation Guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=6a6c032e-ffcb-4f3d-8063-415efbd261e8>

Assessment Requirements for UEGNSG004 Locate, prove and protect utility assets

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 two separate occasions and include:

- advising stakeholders of upcoming work
- applying relevant work health and safety (WHS)/occupational health and safety (OHS) requirements
- applying sustainable energy and environmental principles and practices
- checking tools and equipment
- completing workplace documentation
- consulting relevant person/s, authorities and/or enterprises to coordinate work
- dealing with unplanned events/situations in accordance with workplace procedures, in a manner that minimises risk to personnel and equipment
- identifying utilities and services visually
- locating and marking utility and asset services
- maintaining a clean work site and handing over to relevant person/s
- obtaining and applying relevant clearances/no-go zones
- obtaining and interpreting alignment sheets, maps/plans, technical drawings, diagrams and symbols
- obtaining and interpreting job requirements and work instructions
- protecting assets
- proving location of asset
- selecting and operating relevant tools and equipment including:
- visually inspecting asset.

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:

- clearances and no-go zones requirements
- environmental and sustainable energy principles and practices
- protection of assets, including:

- communication with relevant personnel
- installation of protection systems (barricades and signage)
- marking of assets
- prove assets, including hand excavation techniques
- relevant authorities or enterprises to contact regarding the location of other utilities services
- relevant legislations, regulations, standards and codes of practice
- relevant manufacturers' instructions
- relevant materials, plans, drawings, diagrams and resources
- relevant person/s to consult with to coordinate and finalise work
- relevant safe work method statements (SWMS)/job safety assessments or risk mitigation processes
- relevant safety and environmental hazards and mitigation measures
- relevant WHS/OHS legislated requirements
- relevant workplace documentation
- relevant workplace policies and procedures
- techniques to minimise waste
- types of electronic and manual service locators
- utility assets, services, conduits and cables.

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 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.

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.

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 (PPE) currently used in industry
- applicable documentation, including workplace procedures, equipment specifications, regulations, codes of practice and operation manuals.

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