



Australian Government

UEGNSG058 Locate, prove and protect utility assets

Release: 1

UEGNSG058 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 worksites 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** Workplace safety, environmental and sustainable energy practices for the site are identified, obtained and understood
- 1.2** Job requirements are obtained and interpreted from plans, specifications and instructions

- 1.3 Relevant job requirements and workplace procedures for work activities are discussed with relevant person/s, including third parties, to determine and confirm work schedule and respective responsibilities
 - 1.4 Hazards are identified, workplace safety and environmental risks are assessed, and control measures are prioritised, implemented and monitored in accordance with workplace procedures
 - 1.5 Scope of responsibility under the relevant job requirements, including all work permits and/or relevant notifications, is determined and confirmed to access the services and perform work in accordance with job requirements and workplace procedures
 - 1.6 Equipment, tools and personal protective equipment (PPE) needed to carry out work activities are identified, obtained and checked for correct operation and safety in accordance with workplace procedures and manufacturer instructions
 - 1.7 Materials, plans, diagrams, drawings and resources required for work are confirmed and obtained in accordance with workplace procedures
- 2 **Locate, prove and protect utility assets**
 - 2.1 Workplace safety and environmental risk control measures, schedule of work and workplace procedures for carrying out work are followed
 - 2.2 Appropriate materials, tools and equipment are selected and used 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 is proven using approved methods 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 completed within agreed timeframe and to industry standards in accordance with job requirements and workplace procedures
 - 2.7 Unplanned events are referred to the relevant person/s

- for directions in accordance with workplace procedures
- 3 Complete work and relevant documentation**
- 3.1** Workplace safety risk control measures for work completion are followed
 - 3.2** Quality and safety checks of the work are conducted in accordance with job requirements, workplace procedures and community and industry standards
 - 3.2** Worksite is cleaned, reinstated and made safe 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** Incidents are reported and followed up as required in accordance with workplace procedures
 - 3.5** Relevant person/s is notified of work completion in accordance with workplace procedures
 - 3.6** 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 UEGNSG004 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 UEGNSG058 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.

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 workplace safety requirements
- applying sustainable energy and environmental principles and practices
- checking tools and equipment, including any calibration requirements
- checking suitability of all required personal protective equipment (PPE)
- 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 worksite 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:
 - electronic location equipment
 - prodders
 - ground marking equipment
 - pot holing equipment
 - appropriate safety signage
- visually inspecting asset and warning/protective systems.

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 manufacturer 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 analysis (JSA) or risk mitigation processes
- relevant safety and environmental hazards and mitigation measures
- relevant workplace safety requirements, including:
 - legislated work health and safety (WHS)/occupational health and safety (OHS) requirements
 - legislated industry/technical specific requirements
 - workplace safety procedures
 - manufacturer requirements
- relevant workplace policies and procedures
- techniques to minimise waste
- types of electronic and manual service locators
- utility assets, services and assets, e.g., gas, electrical, data, telecommunications and water.

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

Links

Companion Volume Implementation Guides are found in VETNet -

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