



Australian Government

UEGNSG353 Carry out aerial surveillance of gas transmission pipelines

Release: 1

UEGNSG353 Carry out aerial surveillance of gas transmission pipelines

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 carry out aerial surveillance of gas transmission pipelines, easements and/or surrounding environments; identify non-conformance; complete work and relevant documentation and report in accordance with relevant legislation, codes of practice, regulations, standards and workplace procedures.

It includes threat mitigation through identification of system non-conformance; areas to be monitored and inspection of areas system's, pipe work, structures, fittings and equipment in accordance with organisational and statutory requirements.

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

Pre-requisite Unit

Not applicable.

Competency Field

Gas Transmission

Unit Sector

Gas Industry

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

1 Prepare to carry out aerial surveillance of gas transmission pipelines

PERFORMANCE CRITERIA

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

1.1 Job requirements and relevant drawings, plans, maps, data, materials and equipment are examined to determine the extent of required work preparation in

accordance with workplace procedures

- 1.2 Job requirements and workplace procedures for the aerial surveillance work are communicated to all relevant person/s
 - 1.3 Work health and safety (WHS)/occupational health and safety (OHS) workplace procedures and environmental and sustainable energy policies and procedures for gas pipeline surveillance are obtained and applied
 - 1.4 Work is prioritised and sequenced for completion within acceptable timeframes following consultation with relevant person/s in accordance with workplace procedures
 - 1.5 Hazards are identified, WHS/OHS and environmental risks are assessed and control measures prioritised, implemented and monitored in accordance with workplace procedures
 - 1.6 Relevant work permits are obtained to access and perform work in accordance with job requirements and workplace procedures
 - 1.7 Persons, equipment, tools and personal protective equipment (PPE) required for the pipeline surveillance work are identified, scheduled, obtained and checked for correct operation and safety in accordance with workplace procedures
 - 1.8 Communication issues with relevant stakeholders are resolved and work coordinated in accordance with work schedule and workplace procedures
 - 1.9 Person/s participating in the work are briefed and responsibilities confirmed in accordance with workplace procedures
 - 1.10 Work preparation, safety plan and work schedule are confirmed with relevant person/s in accordance with workplace procedures
- 2 Carry out aerial surveillance of gas transmission pipelines to identify non-conformance**
- 2.1 WHS/OHS and risk control measures, schedule of work and workplace procedures for carrying out work are followed
 - 2.2 Aerial surveillance of pipelines, easements and/or surrounding environments is conducted and faults and/or

security breaches/threats reported to relevant person/s in accordance with workplace procedures

- 2.3 Surveillance information is analysed, key issues identified and information evaluated for relevance/ validity to the job requirements and confirmed by site inspection, as required
- 2.4 Dealings with customers are consistent with workplace procedures and the special needs of customers are identified and considered in targeting client service
- 2.5 Leakages, damaged pipes, fittings and appurtenances are recorded in accordance with workplace procedures
- 2.6 Hazard warnings and safety signs are recognised, hazards and WHS/OHS risks assessed and reported to authorised person/s for directions in accordance with workplace procedures
- 2.7 Unplanned events in the pipeline surveillance work are dealt with in accordance with level of responsibility and workplace procedures
- 2.8 System breaches, faults and operational conditions of the pipelines are identified and resolved, where possible, and reported to relevant person/s in accordance with workplace procedures
- 2.9 Additional works in the vicinity of the pipelines are identified and reported to relevant person/s in accordance with workplace procedures

3 Complete work and relevant documentation

- 3.1 Information gathered is analysed, anomalies, options and proposed solutions are communicated to relevant stakeholders and implemented, as required, in accordance with work schedule and workplace procedures
- 3.2 Incidents and injuries are reported, as required, in accordance with workplace procedures
- 3.3 Solutions are implemented, documented and processed and the customer advised in accordance with workplace procedures
- 3.4 Relevant records, reports and documentation are completed, processed and provided to appropriate 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 UEGNSG353A Carry out aerial surveillance of gas transmission pipelines.

Links

Companion Volume Implementation Guides are found in VETNet - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=6a6c032e-ffcb-4f3d-8063-415efbd261e8>