



**Australian Government**

# **UEGNSG032 Carry out aerial surveillance of gas transmission pipelines**

**Release: 1**

# UEGNSG032 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. It includes identifying non-conformance, completing work and relevant documentation, and reporting in accordance with relevant legislation, codes of practice, regulations, standards and workplace procedures.

It includes threat mitigation through identification of system non-conformance 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 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 **Carry out aerial surveillance of gas transmission pipelines to identify non-conformance**
  - 2.1 Workplace safety and environmental 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 stakeholders are consistent with workplace procedures and the special needs of customers are identified and considered in targeting client service

- 2.5 Appropriate materials, tools and equipment are selected and used safely in accordance with manufacturer instructions and workplace procedures
  - 2.6 Work is completed within agreed timeframe and to industry standards in accordance with job requirements and workplace procedures
  - 2.7 Hazardous activities are conducted safely in accordance with regulatory requirements and workplace procedures
  - 2.8 Alarms, codes and hazard warnings are correctly recognised, and the correct response strategy is selected and applied 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
  - 2.10 Unplanned events are referred to the relevant person/s for directions in accordance with workplace procedures
- 3 Complete work and relevant documentation**
- 3.1 Information gathered is analysed, anomalies and options are communicated to relevant stakeholders and implemented, as required, in accordance with work schedule and workplace procedures
  - 3.2 Workplace safety risk control measures for work completion are followed
  - 3.3 Quality and safety checks of the work are conducted in accordance with job requirements, workplace procedures and community and industry standards
  - 3.4 Tools, equipment and any surplus resources/materials are cleaned, checked and securely stored in accordance with workplace procedures
  - 3.5 Observations and anomalies are documented and processed, and relevant person/s advised in accordance with workplace procedures
  - 3.6 Incidents are reported and followed up as required in accordance with workplace procedures
  - 3.7 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 UEGNSG353 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>