



Australian Government

**Assessment Requirements for UEGNSG353
Carry out aerial surveillance of gas
transmission pipelines**

Release: 1

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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:

- applying relevant work health and safety (WHS)/occupational health and safety (OHS) requirements, including:
 - maintaining a safe workplace
 - hazard identification and reporting
 - implementing risk control measures
 - working safely with hazardous materials and equipment
- analysing surveillance information
- applying planning skills
- applying problem-solving techniques
- applying relevant industry standards, guidelines, codes of practice and regulations
- applying sustainable energy and environmental principles and practices
- carrying out aerial surveillance of gas transmission pipelines, easements and/or surrounding environments
- communicating effectively with others
- completing work and relevant documentation
- dealing with unplanned events/situations in accordance with workplace procedures in a manner that minimises risk to personnel and equipment
- following work schedule, safety plan and job requirements
- following workplace procedures
- identifying and evaluating threats to the integrity of transmission pipelines
- identifying faults
- identifying non-conformance
- implementing solutions
- interpreting technical drawings, plans, maps and data
- preparing to carry out aerial surveillance of gas transmission pipelines
- recording and reporting information
- working in accordance with relevant work permit/notifications.

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:

- effective communication techniques
- gas industry facilities and infrastructure
- gas industry products, processes and characteristics
- gas transmission pipeline environmental protection processes
- gas transmission pipeline surveillance
- problem-solving techniques
- relevant facility and pipeline drawings, plans, maps, data and diagrams
- relevant gas industry documentation
- relevant industry standards, guidelines, codes of practice and regulations
- relevant manufacturer specifications
- relevant safe work method statements (SWMS)/job safety assessments or risk mitigation processes
- relevant stakeholders, including authorised persons, authorities, landowners and clients
- relevant tools, equipment and PPE
- relevant WHS/OHS legislated requirements, including:
 - hazards, risk assessment and control measures
 - environmental and sustainable energy principles and practices
 - hazard warnings and safety signs
- relevant work permits and/or notifications
- relevant workplace documentation
- relevant workplace documentation
- relevant workplace policies and procedures
- security breaches
- signs, symbols terminology and legends as used in gas industry
- site preparation, safety plans, job requirements and work schedules
- techniques to analyse surveillance information
- techniques to identify damaged and leaking pipes, fittings and appurtenances
- techniques to identify system faults and operational conditions.

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.

Links

Companion Volume Implementation Guides are found in VETNet -

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