



Australian Government

Assessment Requirements for UEGNSG349 Carry out surveillance of gas transmission pipelines

Release: 1

Assessment Requirements for UEGNSG349 Carry out 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.

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 industry standards, guidelines, codes of practice and regulations
- applying relevant work health and safety (WHS)/occupational health and safety (OHS) requirements, including:
 - hazard identification and reporting
 - implementing risk control measures
 - maintaining a safe workplace
- analysing surveillance information
- applying problem-solving techniques, including implementing solutions
- applying sustainable energy and environmental, cultural and heritage principles and practices
- carrying out ground surveillance on gas transmission pipelines
- communicating effectively with others
- completing work and relevant documentation, including:
 - completing required documentation and reports
 - following work schedule, safety plan and job requirements
 - working within agreed timeframes
- dealing with unplanned events/situations in accordance with workplace procedures in a manner that minimises risk to personnel and equipment
- following workplace procedures
- identifying and investigating pressure and flow fluctuations, including operational conditions
- identifying encroachments, system breaches, faults and risks and taking appropriate action
- preparing to carry out surveillance of gas transmission pipelines
- selecting correct materials, equipment, tools, personal protection equipment (PPE) and measurement devices
- 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:

- cultural and heritage requirements in relation to pipeline surveillance
- effective communication techniques
- overview of pipelines, components and their respective functions, including:
 - surveillance information
 - field monitoring of pipelines and components includes pressure and flow limits
 - identification and documentation of potential encroachment
 - procedures and methods for ground surveillance work
 - techniques to identify system faults and operational conditions
- pipeline risks managed through surveillance
- problem-solving techniques
- quality checks
- relevant industry standards, guidelines, codes of practice and regulations
- relevant plant, tools, equipment, measuring devices and PPE
- relevant stakeholders, including:
 - authorised persons, authorities and clients
 - rights and responsibilities
- relevant work permits and/or notifications
- relevant WHS/OHS legislated requirements, including:
 - environmental and sustainable energy principles and practices
 - hazard warnings and safety signs
 - hazards, risk assessment and control measures
- relevant workplace policies and procedures
- relevant workplace documentation
- site preparation, safety plans, job requirements and work schedules
- techniques to identify damaged and leaking pipes, fittings and appurtenances.

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>