



Australian Government

Assessment Requirements for UEGNSG045 Carry out surveillance on gas distribution assets

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:

- analysing surveillance information
- applying problem-solving techniques and implementing solutions
- applying relevant industry standards, guidelines, codes of practice and regulations
- applying relevant workplace safety requirements, including:
 - maintaining a safe workplace
 - identifying and reporting hazards
 - implementing risk control measures
- applying sustainable energy and environmental, cultural and heritage principles and practices
- carrying out surveillance on gas distribution assets, including completing surveillance work
- communicating effectively with others, including relevant stakeholders
- completing required documentation and reporting
- 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 leaks, damaged assets, structures, systems, pipes and fittings
- identifying system/asset breaches, faults and non-conformances
- interpreting relevant drawings, plans and diagrams
- selecting and using correct materials, equipment, tools, personal protection equipment (PPE) and measuring devices
- working in accordance with relevant work permit/notifications
- working within agreed timeframes.

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
- information gathering techniques
- landholder engagement
- pipeline risks managed through surveillance
- problem-solving techniques
- quality checks, including:
 - techniques to identify damaged and leaking assets, structures, signage, systems and fittings
 - techniques to identify system breaches and faults
 - types of assets
 - land management requirements, e.g., erosion, encroachments, weed and vegetation management
- relevant industry standards, guidelines, codes of practice and regulations
- relevant manufacturer specifications
- relevant materials, drawings, plans and diagrams
- relevant plant, tools, equipment, measuring devices and PPE
- relevant stakeholders, including authorised persons, authorities, landowners and clients
- relevant work permits and/or notifications
- relevant workplace documentation, including safety plans, work schedules and jobs requirements
- relevant workplace policies and procedures
- 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
- surveillance work techniques, including different types of surveillance methods and techniques to analyse surveillance information.

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 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>