



Australian Government

Assessment Requirements for UEGNSG101 Undertake gas leak surveys

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 one occasion and includes:

- applying planning skills
- applying problem-solving techniques and implementing solutions
- 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 work environment
 - working safely with hazardous materials and equipment
- applying sustainable energy and environmental, cultural and heritage principles and practices
- carrying out gas leak survey
- checking, testing and verifying equipment as per procedures
- communicating effectively with stakeholders
- completing required documentation and reporting
- dealing with unplanned events and situations in accordance with workplace procedures in a manner that minimises risk to personnel and equipment
- evaluating survey results
- following work schedule, safety plan and job requirements
- identifying and using venting locations including, but not limited to, pits, drains and cracks in pavements
- identifying leaks, breaches, threats, faults and possible causes
- interpreting relevant drawings, plans and diagrams
- responding to and classifying survey readings
- selecting and using correct materials, equipment, tools, personal protection equipment (PPE) and measuring devices
- working in accordance with relevant access permissions
- 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:

- asset plans and diagrams
- cultural and heritage requirements in relation to gas leak survey
- gas industry infrastructure
- gas leak classifications
- gas leak survey techniques, including different types of survey methods and responses to survey information
- leak survey problem-solving techniques
- relevant equipment specifications
- relevant industry standards, guidelines, codes of practice and regulations
- relevant stakeholder awareness, including authorised persons, authorities, land owners and clients, including access permissions
- relevant WHS/OHS legislated requirements, including:
 - environmental and sustainable energy principles and practices
 - hazard warnings and safety signs
 - hazards, risk assessment and control measures
 - safe work method statements (SWMS) and job safety assessments
- relevant workplace documentation, including safety plans, work schedules and jobs requirements
- safe operation and use of relevant tools, equipment, detection instruments, measuring devices and PPE
- techniques to evaluate survey information
- types and characteristics of gases.

Assessment Conditions

Assessors must hold credentials specified within the Standards for Registered Training Organisations current at the time of assessment.

Assessment must satisfy the Principles of Assessment and Rules of Evidence and all regulatory requirements included within the Standards for Registered Training Organisations current at the time of assessment.

Assessment evidence must be gathered on an existing gas network in the workplace.

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 may 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 for undertaking gas leak surveys
- applicable documentation, including workplace procedures, equipment specifications,

regulations, codes of practice and operation manuals.

Assessment is to be based on the performance of the individual candidate. If assessment tasks are undertaken as a group, each candidate must be assessed in each component of the task.

Links

Companion Volume Implementation Guides are found in VETNet -

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