



Australian Government

Assessment Requirements for UEGNSG013

Construct, lay and connect a gas distribution service to a main

Release: 1

Assessment Requirements for UEGNSG013 Construct, lay and connect a gas distribution service to a main

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 workplace safety requirements
- applying sustainable energy and environmental principles and practices
- checking tools, equipment, plant and personal protective equipment (PPE) for correct operation and safety
- cleaning, checking and storing tools and equipment
- communicating effectively with others
- completing required documentation and reporting
- conducting quality and safety checks
- connecting a service to a main
- constructing and laying a gas service to a main
- dealing with unplanned events/situations in accordance with workplace procedures in a manner that minimises risk to personnel and equipment
- identifying and correctly reading plans, drawings, manuals and diagrams
- identifying plant and equipment and safe operating parameters/requirements
- maintaining a clean work area
- obtaining relevant resources, tools, equipment and materials to conduct the work
- preparing the excavation site
- preparing to construct and lay a gas service to a main
- testing pipework
- purging and commissioning a gas service
- 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:

- combustible gas, characteristics and properties, including but not limited to natural gas,

propane and hydrogen

- effective communication techniques
- environmental and sustainable energy principles and practices
- excavation and bedding requirements for service pipelines
- gas distribution service connection methods to main
- gas distribution service industry standards and definitions
- gas distribution service pipeline types, characteristics and components
- hazardous activities, including the use of power tools, lifting, climbing and working in confined spaces, excavations and trenches
- installation and testing of service pipelines
- gas main pipeline types, characteristics and components
- pipework tests
- quality and safety checks
- relevant industry standards, codes of practice, legislation and regulations
- relevant manufacturer specifications
- relevant plans, diagrams and drawings
- relevant materials, tools, equipment, plant and PPE
- relevant safe work method statements (SWMS)/job safety analysis (JSA) or risk mitigation processes
- relevant workplace safety requirements, including:
 - legislated workplace safety requirements
 - legislated industry/technical specific requirements
 - workplace safety procedures
 - manufacturer requirements
 - hazards, risk assessment and control measures
 - dangers of working with live gas
- relevant work permits and/or notifications
- relevant workplace documentation
- relevant workplace policies and procedures
- site preparation, safety plans, job requirements and work schedules
- third-party issues.

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>