



**Australian Government**

**Assessment Requirements for UEGNSG216  
Commission or decommission gas  
distribution pipelines**

**Release: 1**

# Assessment Requirements for UEGNSG216 Commission or decommission gas distribution 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, performance criteria and range of conditions 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:
  - ensuring emergency response procedures are in place
  - hazard identification and reporting
  - implementing risk control measures
  - working safely with hazardous materials and equipment
- applying sustainable energy and environmental principles and practices
- checking pipework is ready, including testing and pigging
- commissioning/decommissioning gas distribution pipelines
- communicating with relevant person/s, authorities and stakeholders
- completing work and relevant documentation
- conducting final inspections of work
- conducting quality and safety checks
- dealing with unplanned events/situations in accordance with workplace procedures in a manner that minimises risk to personnel and equipment
- following workplace procedures
- inspecting and testing to identify faults
- interpreting technical drawings, plans and materials lists
- obtaining approvals from authorities and signing off work permits
- obtaining relevant work permits
- performing pipeline purging/flaring
- positioning road signs, barriers and warning devices
- preparing to commission/decommission gas distribution pipelines
- rehabilitating and maintaining a clean work site
- testing for correct pressure, concentration and odourant level
- using relevant tools, equipment, measuring devices, personal protective equipment (PPE) and materials.

## Knowledge Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements, performance criteria and range of conditions and include knowledge of:

- decommissioning/commissioning/re-commissioning requirements, equipment, tools and procedures, including distribution gas pipeline commissioning and decommissioning
- effective communication techniques
- equipment faults
- fault-finding and troubleshooting techniques
- final inspections industry standard
- fitting bypass apparatus ensuring continuity of supply
- hazardous activities, including lifting, climbing, working in confined spaces or aloft, and use of power tools
- monitoring of system pressure at appropriate locations depending on network design and operating conditions
- non-conformances and incident reports
- purging and flaring the pipe system using a variety of media and testing procedures
- purging and venting calculations
- quality and safety checks
- regulating, monitoring and testing system pressures, concentration and odour levels
- relevant industry standards, guidelines, codes of practice and regulations
- relevant manufacturer specifications
- relevant workplace documentation recording and reporting
- relevant workplace policies and procedures
- site preparation
- testing of pipelines
- testing, adjusting and repairing systems
- relevant WHS/OHS legislated requirements, including:
  - site emergency procedures
  - hazards, risk assessment and control measures
  - environmental and sustainable energy principles and practices
  - hazard warnings and safety signs
  - PPE
- relevant technical drawings, plans and material lists
- relevant tools, measuring and testing equipment
- relevant work permits
- third-party issues
- traffic management plans.

## 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>