



**Australian Government**

# **Assessment Requirements for UEGNSG205 Commission or decommission gas distribution pipelines**

**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:

- 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
- commissioning/decommissioning gas distribution pipelines
- communicating with relevant person/s, authorities and stakeholders
- completing work and relevant documentation
- complying with regulations, industry standards, legislative requirements, codes of practice, manufacturers' recommendations and specifications, and environmental requirements
- conducting final inspections of work
- conducting quality and safety checks
- confirming that checking pipework is complete, including tested or pigged
- 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 and performance criteria and include knowledge of:

- common equipment faults
- decommissioning/commissioning requirements, equipment, tools and procedures
- effective communication techniques
- fault-finding and troubleshooting techniques
- fitting bypass apparatus ensuring continuity of supply
- hazardous activities, including lifting, climbing, working in confined spaces or aloft, and use of power tools
- industry standards for final inspections
- methods of monitoring system pressure at appropriate locations depending on network design and operating conditions
- non-conformances and incident reports
- purging and venting calculations
- quality and safety checks
- regulating, monitoring and testing system pressures, concentration and odour levels
- regulations, industry standards, legislative requirements, codes of practice, manufacturers' recommendations and specifications, and environmental requirements
- relevant stakeholders
- relevant workplace documentation recording and reporting
- relevant workplace policies and procedures
- site preparation
- testing of pipelines
- testing, adjusting and repairing systems
- use of a variety of media and testing procedures to purge and flare the pipe system
- relevant WHS/OHS legislated requirements, including:
  - site safety and 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

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 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>