



**Australian Government**

# **Assessment Requirements for UEGNSG019 Inspect, test and maintain gas cylinders**

**Release: 1**

# Assessment Requirements for UEGNSG019 Inspect, test and maintain gas cylinders

## 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 environmental and sustainable energy principles and practices
- applying problem-solving techniques
- applying relevant industry standards, guidelines, codes of practice and regulations
- applying relevant workplace safety requirements, including:
  - applying safe manual handling techniques
  - identifying and reporting hazards
  - implementing risk control measures
  - recognising and assessing hazard warnings and safety signs
  - selecting and using relevant personal protective equipment (PPE)
  - undertaking hazardous activities in a safe manner
  - undertaking job safety analysis (JSA)
- coding and condemning damaged/non-complying cylinders
- communicating effectively with relevant person/s
- completing work and relevant documentation
- conducting inspection checks before returning cylinder to service
- confirming cylinder is pressure free prior to internal inspection or valve replacement
- dealing with unplanned events/situations in accordance with workplace procedures in a manner that minimises risk to personnel and equipment
- following manufacturer instructions
- following workplace procedures
- inspecting, testing and maintaining industrial gas cylinders
- maintaining a clean and safe worksite
- performing quality and safety checks
- preparing to inspect test maintain industrial gas cylinders
- preparing worksite to minimise risk and damage to property, commerce and individuals
- recording inspection, testing and maintenance information accurately on gas industry forms and reports
- referring client issues

- selecting and operating correct tools and equipment
- working within agreed timeframes or conditions.

## 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:

- accidents and incidents associated with inspecting, testing and maintaining gas cylinders
- client issues
- environmental and sustainable energy principles and practices
- inspection and completion process
- industrial gas cylinders, including:
  - coding
  - condemning and disposal
  - inspection requirements
  - leak testing requirements
  - safety data sheets (SDS)
  - industrial gas, characteristics and properties, including but not limited to propane, butane, propylene, nitrogen, oxygen, carbon dioxide, argon, hydrogen, helium and acetylene
  - maintenance requirements
  - types, construction, size, valves and labelling
- PPE, including types, application, checking, maintenance and storage
- problem-solving techniques
- quality and safety checks
- relevant industry standards, legislation, guidelines, codes of practice and regulations
- relevant manufacturer specifications
- relevant materials, tools and equipment
- relevant safe work method statements (SWMS)/JSA or risk mitigation processes
- 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
- relevant workplace documentation
- relevant workplace policies and procedures
- site preparation, work schedules, safety plans and job requirements
- storage of dangerous goods
- time-management skills
- workplace quality requirements
- workplace reporting requirements.

## 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>