



**Australian Government**

# **Assessment Requirements for UEGNSG017 Fill by weight industrial gas cylinders**

**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 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:
  - identifying and reporting hazards
  - implementing risk control measures
  - applying safe manual handling techniques
  - selecting and using relevant personal protective equipment (PPE)
  - undertaking hazardous activities in a safe manner
- checking cylinders for leaks and damage
- communicating effectively with relevant person/s
- completing work and relevant documentation
- confirming and following schedule of work and job requirements
- dealing with unplanned events/situations in accordance with workplace procedures in a manner that minimises risk to personnel and equipment
- filling by weight industrial gas cylinders
- following emergency procedures for accidents and incidents
- following manufacturer instructions
- following workplace procedures
- maintaining a clean and safe worksite
- marking and quarantining damaged cylinders
- performing quality and safety checks
- preparing to fill industrial gas cylinders
- conducting inspections in accordance with industry and organisational standards
- 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 filling by weight gas cylinders
- client issues
- environmental and sustainable energy principles and practices
- filling by weight industrial gas cylinders, including:
  - procedures and precautions
  - tools and equipment
  - handling
  - leak testing
  - inspection requirements
- industrial gas cylinders, including:
  - industrial gas, characteristics and properties, including but not limited to propane, butane, propylene, nitrogen, oxygen, carbon dioxide, argon, hydrogen, helium and acetylene
  - types, construction, size, valves and labelling
  - safety data sheets (SDS)
- problem-solving techniques
- PPE, including:
  - types, application, checking, maintenance and storage
- quality and safety checks
- relevant manufacturer specifications
- relevant materials, tools, equipment and devices
- relevant safe work method statements (SWMS)/job safety analysis (JSA) or risk mitigation processes
- relevant industry standards, legislation, guidelines, codes of practice and regulations
- relevant workplace documentation
- relevant workplace policies and procedures
- 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
- reporting requirements
- resources and materials required for the work
- site preparation, work schedules, safety plans and job requirements
- storage requirements of dangerous goods
- workplace quality 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>