



**Australian Government**

**Assessment Requirements for UEGNSG020  
Load, unload, exchange and connect  
industrial gas cylinders**

**Release: 1**

# Assessment Requirements for UEGNSG020 Load, unload, exchange and connect industrial 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 relevant industry standards, guidelines, codes of practice and regulations
- applying relevant workplace safety requirements, including:
  - working safely with hazardous materials and equipment
  - identifying and reporting hazards
  - implementing risk control measures
  - selecting and using correct personal protective equipment (PPE)
  - following emergency procedures and response actions
- applying sustainable energy and environmental principles and practices
- communicating with relevant person/s
- completing work and relevant documentation
- 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
- exchanging and connecting industrial gas cylinders
- following workplace procedures
- loading and unloading cylinders and applying cylinder load restraint
- obtaining and using relevant equipment and tools, including:
  - cylinder trolleys
  - hoses and fittings
  - hand tools
  - leak detection fluid
  - truck tail gate loader
  - tray gates and ropes
- positioning truck correctly
- preparing to load/unload truck, exchange and connect industrial gas cylinders.

## 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:

- hazardous activities, including lifting, climbing, working in confined spaces and aloft, and use of power tools
- fault-finding and troubleshooting techniques
- leak detection methods
- industrial gas cylinders, including:
  - cylinder installation requirements
  - 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, labelling and safety data sheets (SDS)
  - handling, loading, unloading and exchanging
  - disconnecting and connecting
  - out of gas procedures
- industrial gas cylinder transport requirements, including:
  - cylinder load restraint
  - transport of dangerous goods placard loads
  - dangerous goods routes
  - dangerous goods transport documentation
- quality and safety checks
- relevant legislation, regulations, codes of practice, industry standards and policies, including dangerous goods codes
- relevant safe work method statements (SWMS)/job safety analysis (JSA) or risk mitigation processes
- relevant workplace documentation, forms, records and reports
- 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
- types of accidents and emergencies, including fire and gas leak
- workplace quality requirements and specifications.

## 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>