



Australian Government

Assessment Requirements for UEGNSG024 Monitor and control the transfer of bulk industrial gas

Release: 1

Assessment Requirements for UEGNSG024 Monitor and control the transfer of bulk industrial gas

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 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)
- applying relevant industry standards, guidelines, codes of practice and regulations
- applying sustainable energy and environmental principles and practices
- communicating with relevant stakeholders
- completing work and relevant documentation
- conducting quality and safety checks
- conducting site inspections
- dealing with unplanned events/situations in accordance with workplace procedures in a manner that minimises risk to personnel and equipment
- following workplace procedures
- identifying and reporting anomalies
- maintaining a clean worksite
- monitoring and controlling the industrial gas transfer
- obtaining and complying with relevant work permits
- planning and preparing for the bulk transfer of industrial gas
- using relevant equipment.

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:

- fault-finding and troubleshooting techniques
- relevant stakeholders, including authorised persons, authorities, clients, tenants and

landowners

- hazardous activities, including lifting, climbing, working in confined spaces and aloft, and use of power tools
- manufacturer or 'as built' specifications
- relevant legislation, regulations, codes, standards and policies
- 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
 - manufacturer requirements
- industrial gas bulk storage vessels, 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, labelling and safety data sheets (SDS)
 - inspection procedures
- industrial gas bulk transfer, including:
 - requirements, applications, methods and procedures
 - equipment/tools
 - types
 - compressors, pumps, pipes and hoses
 - gas alarm and communication equipment
 - ignition prevention/control
 - leak testing requirements
- oral and written communication techniques
- problem-solving techniques
- quality and safety checks
- relevant safe work method statements (SWMS)/job safety analysis (JSA) or risk mitigation processes
- relevant workplace documentation, forms and reports
- relevant workplace policies and procedures
- site inspections
- 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.

As a minimum, assessment must satisfy applicable regulatory requirements, which include requirements in 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>