



Australian Government

**Assessment Requirements for UEGNSG028
Perform scheduled maintenance on gas
processing or storage facilities and
equipment**

Release: 1

Assessment Requirements for UEGNSG028 Perform scheduled maintenance on gas processing or storage facilities and equipment

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:
 - identifying and reporting hazards
 - implementing risk control measures
 - selecting and using correct personal protective equipment (PPE)
 - working safely with hazardous materials and equipment
- adjusting calibration and testing equipment
- applying problem-solving techniques
- applying sustainable energy and environmental principles and practices
- communicating with relevant stakeholders
- completing scheduled maintenance and relevant documentation
- conducting briefings
- dealing with unplanned events/situations in accordance with workplace procedures in a manner that minimises risk to personnel and equipment
- following manufacturer specifications
- following work orders/work schedules
- identifying required repairs/maintenance
- isolating, purging, depressurising, tagging and locking out facilities and equipment
- obtaining and complying with relevant work permits
- obtaining relevant tools, testing and measuring instruments, drawings, plans and materials
- performing scheduled maintenance and repairs
- positioning road signs, barriers and warning devices
- preparing for maintenance and repair activities
- rehabilitating worksite
- returning equipment to service, including de-isolation and tag-out.

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:

- relevant industry standards, guidelines, codes of practice and regulations
- 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
- work orders and work schedules
- relevant work permits
- industrial gas bulk transfer equipment, including:
 - requirements, applications, methods and procedures
 - equipment/tools
 - types, selection, manufacturer specifications/instructions, testing, set-up and adjustment
 - compressors and pumps
 - pipes and hoses
- industrial gas processing or storage facility and equipment maintenance
- relevant workplace policies and procedures
- industrial gas, characteristics and properties, including but not limited to propane, butane, propylene, nitrogen, oxygen, carbon dioxide, argon, hydrogen, helium and acetylene
- industrial gas storage/pressure vessels, including:
 - types, construction, size, valves and labelling
 - testing and inspection procedures
- industrial gas processing equipment requirements, applications, methods and procedures, including:
 - mix/blend properties and specifications
 - equipment/tools
 - types, selection, manufacturer specifications/instructions, testing and set-up
 - analytical judgements for appropriate adjustments to plant and equipment
 - variations and irregularities identification
 - gas analysis equipment
 - safety
 - gas alarm and communication equipment
 - ignition prevention/control
 - leak testing requirements, types, procedures and required equipment/tools
- PPE types, application, checking, maintenance and storage
- scheduled maintenance
- fault identification

- repair and replacement of components and parts
- organisational policies, quality requirements, specifications, forms and reports for work activities
- hazardous activities, including:
 - lifting, climbing, working in confined spaces or aloft, and use of power tools
- inspecting and testing procedures
- problem-solving techniques
- relevant industry standards, guidelines, codes of practice and regulations
- relevant manufacturer specifications
- relevant safe work method statements (SWMS)/job safety analysis (JSA) or risk mitigation processes
- relevant technical drawings, plans, material lists or specifications
- relevant workplace documentation.

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>