



Australian Government

**Assessment Requirements for UEGNSG065
Install gas flow, measuring and pressure
regulating devices**

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 relevant workplace safety requirements, including:
 - applying workplace procedures and practices
 - using risk control measures
- applying sustainable energy principles and practices
- carrying out work on gas flow and pressure measuring and regulating devices in accordance with relevant legislation, code of practice, regulations and workplace procedures
- completing required documentation and reporting requirements
- dealing effectively with unplanned events in accordance with workplace procedures in a manner that minimises risk to personnel and equipment
- identifying and correctly interpreting drawings, diagrams, schedules, procedures and manuals relevant to the work to be undertaken
- installing gas valves, filters, regulators and pressure relief devices
- installing pressure measurement, control, boosters and relief devices in accordance with relevant legislation, industry standards, codes of practice and workplace procedures
- purging, pressurising, checking soundness and venting components
- selecting correct materials, equipment, tools, personal protection equipment (PPE) and measurement devices, including tools, torqueing equipment, bonding and stray current controls.

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:

- combustible gas, characteristics and properties, including but not limited to natural gas, propane and hydrogen
- flow measurement equipment, types, operation and installation
- gas distribution and transmission stations principles of operation
- gas filtering system types, principles of operation, and components, including gas strainers,

filters and differential pressure indicators

- gas flow and pressure control and measurement devices installation
- gas flow control principles, component types and operation
- gas monitoring equipment, types, principles of operation, components and installation
- gas station alarms and safety devices, types, operation and installation
- gas station valves, types, operation and installation
- gas station venting, purging, pressurising and soundness check operations
- hazardous activities, including lifting, climbing, working in confined spaces, excavations, trenches or aloft, and use of power tools, techniques and practices
- pressure control equipment, types, pilot loaded diaphragm and sleeve regulators
- relevant job safety analysis (JSA) or risk mitigation processes
- relevant manufacturer specifications, manuals and procedures
- relevant workplace safety requirements, including:
 - legislated work health and safety (WHS) occupational health and safety (OHS)
 - legislated industry/technical specific requirements
 - workplace safety procedures
 - manufacturer requirements
- relevant workplace policies and procedures, including gas facility manuals, schematics, piping and instrumentation diagram/drawing
- relevant workplace reporting and documentation requirements
- tools, torquing equipment, bonding and stray current controls.

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>