



Australian Government

**Assessment Requirements for UEGNSG805
Maintain multi-stage and multi-run gas
flow and pressure measuring and regulating
devices**

Release: 1

Assessment Requirements for UEGNSG805 Maintain multi-stage and multi-run gas flow and pressure measuring and regulating devices

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, performance criteria and range of conditions on at least two separate occasions and include:

- applying relevant work health and safety (WHS)/occupational health and safety (OHS) requirements, including:
 - applying workplace procedures and practices
 - using of 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, codes of practice, regulations and workplace procedures
- completing required documentation and reporting
- dealing effectively with unplanned events in accordance with workplace procedures in a manner that minimises risk to personnel and equipment
- identifying and interpreting drawings, diagrams, schedules, workplace procedures and manuals relevant to the work to be undertaken
- purging and venting gas components
- replacing, operating, fault finding, adjusting and maintaining gas valves, filters, regulators and pressure relief devices
- replacing, operating, fault finding, adjusting/testing, and maintaining pressure measurement, control, boosters and relief devices
- selecting correct materials, equipment, tools, personal protection equipment (PPE) and measurement devices.

Knowledge Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements, performance criteria and range of conditions and include knowledge of:

- gas distribution and transmission station, including types, principles of operation and components

- gas flow and pressure measuring and regulating device operation and maintenance
- relevant legislation, standards, codes of practice and workplace procedures
- gas flow control fault finding, repair and/or replacement
- gas flow control, including principles, component types and operation and maintenance
- gas flow measurement equipment, including:
 - types
 - positive displacement meters
 - turbine meters
 - operation
 - maintenance
 - fault finding, repair and replacement
- gas monitoring equipment, including types, principles of operation, components, maintenance and fault finding, repair and/or replacement
- gas pressure control equipment, including:
 - types
 - pilot loaded diaphragm and sleeve regulators
 - slam shuts
 - pressure relief valve (PRV)
 - principles of operation
 - multi-runs and stage systems, inter-stage and active/monitor
 - maintenance
 - fault finding, repair and replacement
- gas station alarms and safety devices
- gas station valves types, operation and maintenance
- gas station venting and purging operations
- multi-stage gas flow and pressure control and measurement maintenance
- relevant legislation, standards, codes of practice and regulations
- relevant manufacturer specifications, manuals and procedures
- relevant safe work method statements (SWMS)/job safety assessments or risk mitigation processes
- safe working practices for carrying out work in a gas industry environment
- safe working practices, techniques and practices for hazardous activities, including:
 - lifting, climbing, working in confined spaces, excavations, trenches, working aloft, and use of power tools
- relevant WHS/OHS legislated requirements
- relevant workplace reporting and documentation requirements, including gas facility manuals, schematics, supervisory control and data acquisition (SCADA) displays, switches, piping and instrumentation diagram/drawing
- relevant workplace policies and procedures.

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 suitable workplace operational situations where it is appropriate to do so; where this is not appropriate, assessment must occur in suitable 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, facilities, equipment and PPE currently used in industry
- applicable documentation, including workplace procedures, equipment specifications, environmental regulation, work practices, 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>