



Australian Government

**Assessment Requirements for UEGNSG806
Maintain SCADA controlled flow and
pressure equipment and electronic gas
measurement equipment**

Release: 1

Assessment Requirements for UEGNSG806 Maintain SCADA controlled flow and pressure equipment and electronic gas measurement 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, 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
- 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 correctly drawings, diagrams, schedules, workplace procedures and manuals relevant to the work to be undertaken
- maintaining supervisory control and data acquisition system (SCADA) controlled gas flow and pressure measuring and regulating device in accordance with relevant legislation, industry standards, codes of practice, regulations and workplace procedures
- purging and venting components
- replacing, operating, fault finding, adjusting and maintaining gas valves, filters, regulators and pressure relief device
- replacing, operating, fault finding, adjusting/testing, and maintaining pressure measurement, control, boosters and relief device
- selecting correct materials, equipment, tools, personal protection equipment (PPE) and measurement device.

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:

- component types, function and operation, including:

- data collection and equipment control functions, including:
 - remote telemetry unit (RTU)
 - plant control system (PCS)
 - programmable logic controllers (PLCs)
 - distributive control systems (DCS)
- flow control, filtration, pressure control, overpressure control, turbine, ultrasonic and Coriolis metering
- gas station maintenance requirements and procedures
- hazardous activities, including lifting, climbing, working in confined spaces, excavations, trenches or aloft, and use of power tools, techniques and practices
- maintenance supervisory control and data acquisition system (SCADA) gas flow and pressure measuring and regulating device
- principles of SCADA use in monitoring and control of applicable organisational gas infrastructure
- relevant job safety assessments or risk mitigation processes
- relevant legislation, industry standards and codes of practice
- relevant manufacturer specifications, manuals and procedures
- relevant WHS/OHS legislated requirements
- relevant workplace policies and procedures
- relevant workplace reporting and documentation requirements, including:
 - gas facility manuals
 - schematics
 - SCADA displays
 - switches, piping and instrumentation diagram/drawing
- RTUs and associated controller maintenance
- SCADA controlled gas station venting, purging and pressurisation operations
- SCADA gas flow measurement equipment
- SCADA gas station alarms and safety devices
- SCADA operated gas conditioning and monitoring equipment
- SCADA operated gas station valves
- SCADA operated pressure control equipment.

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>