



Australian Government

**Assessment Requirements for UEGNSG060
Maintain SCADA controlled flow and
pressure equipment and electronic gas
measurement equipment**

Release: 1

Assessment Requirements for UEGNSG060 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 and performance criteria on at least two separate occasions and include:

- applying relevant workplace safety 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 (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 pressure relief device with over pressure protection devices
- replacing boosters and relief with over pressure protection 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 and performance criteria 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 of SCADA gas flow and pressure measuring and regulating devices
- principles of SCADA use in monitoring and control of applicable organisational gas infrastructure
- relevant job safety analysis (JSA) or risk mitigation processes
- relevant legislation, industry standards and codes of practice
- relevant manufacturer specifications, manuals and procedures
- 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
- 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>