



Australian Government

Assessment Requirements for UEGNSG025 Monitor and operate complex flow control, measuring and 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 of risk control measures
- completing required documentation and reporting requirements
- monitoring and operating of complex gas flow control with the following constants and variables:
 - inspecting and controlling
 - regulation of flow and pressure
 - measuring
 - recording and reporting
 - regulation of flow and regulation devices
 - regulation of the system
 - equipment
 - organisational and statutory requirements
- dealing effectively with unplanned events in accordance with workplace procedures in a manner that minimises risk to personnel and equipment
- monitoring and operating supervisory control and data acquisition (SCADA) for gas distribution systems in accordance with relevant legislation, industry standards, codes of practice, regulations and workplace procedures.

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
- gas flow control device operation

- gas station operation requirements and procedures
- 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, codes of practice and regulations
- relevant manufacturer specifications, manuals and procedures
- relevant organisation gas facility manuals, schematics, SCADA displays, switches and procedures
- relevant workplace documentation
- relevant workplace policies and procedures
- SCADA gas flow measurement equipment
- SCADA operated gas conditioning and monitoring equipment, principles of operation, components and fault finding, adjustments and minor repairs
- SCADA operated pressure control equipment
- 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.

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 personal protective equipment (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>