



Australian Government

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.

Application

This unit involves the skills and knowledge required to monitor and operate complex flow control, measuring and regulating devices to monitor and control gas supply in gas distribution system in accordance with relevant legislation, codes of practice, regulations and workplace procedures.

It includes on-site local inspecting and controlling of gas flow and pressure; local monitoring of gas flow, pressure and measurement; recording and reporting on anomalies to gas flow pressure and measurement; and controlling the system to organisational and statutory requirements.

This unit applies to gas distribution systems, subject to all work health and safety (WHS)/occupational health and safety (OHS) and duty of care requirements being met for the workplace.

The application of the skills and knowledge described in this unit may require a license or permit to practice in the workplace.

Other conditions may apply under state and territory legislative and regulatory licensing requirements which must be confirmed prior to commencing this unit.

Pre-requisite Unit

Not applicable.

Competency Field

Pressure Control Discipline

Unit Sector

Gas Industry

Elements and Performance Criteria

ELEMENTS

PERFORMANCE CRITERIA

Elements describe the essential outcomes.

Performance criteria describe the performance needed to demonstrate achievement of the element.

1 Prepare to monitor and operate gas flow control, measuring and regulating devices

- 1.1** Workplace safety, environmental and sustainable energy practices for the site are identified, obtained and understood
- 1.2** Job requirements are obtained and interpreted from plans, specifications and instructions
- 1.3** Relevant job requirements and workplace procedures for work activities are discussed with relevant person/s, including third parties, to determine and confirm work schedule and respective responsibilities
- 1.4** Hazards are identified, workplace safety and environmental risks are assessed, and control measures are prioritised, implemented and monitored in accordance with workplace procedures
- 1.5** Scope of responsibility under the relevant job requirements, including all work permits and/or relevant notifications, is determined and confirmed to access the services and perform work in accordance with job requirements and workplace procedures
- 1.6** Equipment, tools and personal protective equipment (PPE) needed to carry out work activities are identified, obtained and checked for correct operation and safety in accordance with workplace procedures and manufacturer instructions
- 1.7** Materials, plans, diagrams, drawings and resources required for work are confirmed and obtained in accordance with workplace procedures

2 Monitor and operate gas flow control, measuring and regulating devices

- 2.1** Gas flow device and equipment performance information is collected and reported in accordance with workplace and job requirements
- 2.2** Workplace safety and environmental risk control measures, schedule of work and workplace procedures for carrying out work are followed
- 2.3** Appropriate materials, tools and equipment are selected and used safely in accordance with manufacturer instructions and workplace procedures

- 2.4 Dealings with customers are consistent with workplace procedures and the specific needs of customers are identified and considered in targeting client service
- 2.5 Work is completed within agreed timeframe and to industry standards in accordance with job requirements and workplace procedures
- 2.6 Routine inspections of system are scheduled and monitored in accordance with the work schedule and workplace procedures
- 2.7 Alarms, codes and hazard warnings are correctly recognised, and the correct response strategy is selected and applied in accordance with workplace procedures
- 2.8 Unplanned events and non-routine problems are identified and actioned in accordance with workplace procedures
- 2.9 Unplanned events are referred to the relevant person/s for directions in accordance with workplace procedures
- 3 **Control and adjust flows and complete records and reports**
 - 3.1 Workplace safety risk control measures for work completion are followed
 - 3.2 Quality and safety checks of the work are conducted in accordance with job requirements, workplace procedures and community and industry standards
 - 3.3 Worksite is cleaned, reinstated and made safe in accordance with workplace procedures
 - 3.4 Tools, equipment and any surplus resources/materials are cleaned, checked and securely stored in accordance with workplace procedures
 - 3.5 Incidents are reported and followed up as required in accordance with workplace procedures
 - 3.6 Gas flows and diversions are determined to facilitate repair or emergency activities in accordance with organisational job requirements
 - 3.7 Relevant person/s is notified of work completion in accordance with workplace procedures
 - 3.8 Work completion documentation is completed

accurately and provided to relevant person/s in accordance with workplace procedures

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

Range is restricted to essential operating conditions and any other variables essential to the work environment.

Non-essential conditions may be found in the UEG Gas Industry Training Package Companion Volume Implementation Guide.

Unit Mapping Information

This unit replaces and is equivalent to UEGNSG811 Monitor and operate complex flow control, measuring and regulating devices for gas distribution.

Links

Companion Volume Implementation Guides are found in VETNet - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=6a6c032e-ffcb-4f3d-8063-415efbd261e8>