



Australian Government

Assessment Requirements for UEGNSG313 Monitor and operate flow control, pressure measuring and regulating devices for gas transmission

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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 work health and safety (WHS)/occupational health and safety (OHS) requirements, including:
 - workplace procedures and practices
 - using risk control measures
- applying sustainable energy principles and practices
- completing records and reports
- controlling and adjusting gas supply flow
- dealing effectively with unplanned events in accordance with workplace procedures in a manner that minimises risk to personnel and equipment
- monitoring and operating of complex gas flow control, measuring and regulating devices for gas pressure and flow control in gas transmission systems in accordance with relevant legislation, code of practice, regulations and workplace procedures
- monitoring gas supply system performance.

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:

- differences in pipeline pressures, including high/low flow pressures
- gas conditioning and monitoring equipment, including principles of operation, fault finding, adjustments, replacement and minor repairs
- gas facilities/station venting, purging and pressurisation operations
- gas flow measurement equipment types
- gas pressure control equipment, including principles of operation
- gas transmission pipeline flow control, pressure, measuring and regulating devices
- gas transmission systems relevant legislation, codes of practice and regulations
- monitoring and operating complex flow control, measuring and regulating devices on gas

transmission systems

- principles of control systems used in monitoring and control of applicable organisational gas infrastructure
- relevant manufacturer specifications, manuals and procedures
- relevant safe work method statements (SWMS)/job safety assessments or risk mitigation processes including safe working practices
- relevant WHS/OHS legislated requirements
- relevant workplace documentation, records and reports
- relevant workplace policies and procedures.

Assessment Conditions

Assessors must hold credentials specified within the Standards for Registered Training Organisations current at the time of assessment.

Assessment must satisfy the Principles of Assessment and Rules of Evidence and all regulatory requirements included within the Standards for Registered Training Organisations current at the time of assessment.

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, facilities equipment and personal protective equipment (PPE) currently used in industry
- resources used should reflect current industry practices and technologies in relation to operating flow control, pressure measuring and regulating devices for gas transmission
- 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>