



Australian Government

Assessment Requirements for UEGNSG511 Operate gas infrastructure to meet nominated demand

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:

- actioning work requests from other parties
- analysing process functions and problems
- applying relevant customer service policies and procedures
- applying relevant procedures for equipment use
- applying relevant work health and safety (WHS)/occupational health and safety (OHS) requirements
- applying sustainable energy and environmental principles and practices
- carrying out work in regular or specified timeframe
- communicating effectively at a supervisory level, including oral, written or electronic,
- completing and reviewing operation of gas infrastructure to meet nominated demand
- conducting quality and safety checks
- dealing with unplanned events/situations in accordance with workplace procedures in a manner that minimises risk to personnel and equipment
- identifying gas industry production, transmission and distribution areas
- locating control centres or other places where communication processes occur
- locating, interpreting and applying relevant information
- maintaining relevant workplace records
- operating gas infrastructure to meet nominated demand
- performing work under/without supervision
- planning to operate gas infrastructure to meet nominated demand
- producing gas schedule
- producing written requests and reports
- supervising transmission pipeline operations
- using appropriate workplace language and communication technologies and techniques
- using relevant computer systems
- using strategies for dealing with difficult situations and a variety of stakeholders, including:
 - workplace colleagues
 - workplace managers

- relevant customers and suppliers
- regulatory bodies
- property/land owners (including traditional land owners) and tenants
- emergency response organisations.

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:

- application of applicable commercial agreements and contractual requirements in the gas industry
- coatings for corrosion protection
- communicating techniques
- excavation machinery and their effects used near pipelines
- gas industry production, transmission and distribution areas
- gas industry products, processes and characteristics
- gas industry reports and documentation
- gas industry facilities and infrastructure, including:
 - regulation and metering facilities
 - compression facilities
 - gas processing facilities, such as coal seam methane plants
 - liquified petroleum gas (LPG) processing facilities
 - scraper stations and pigging facilities
 - odourisation facilities
 - reference to relevant operating policies and procedures
- general principles associated with pipelines and other gas infrastructure
- location of control centres or other places where communication processes occur
- pinpointing pipeline locations
- pipeline specifications
- pipeline threats, identification and control
- problem-solving and troubleshooting techniques
- relevant manufacturer specifications
- relevant pipeline legislation, regulatory and advisory standards and codes of practice
- relevant safe work method statements (SWMS)/job safety assessments or risk mitigation processes
- relevant stakeholders
- relevant WHS/OHS legislated requirements
- relevant workplace documentation
- relevant workplace policies and procedures.

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.education.gov.au/Pages/TrainingDocs.aspx?q=6a6c032e-ffcb-4f3d-8063-415efbd261e8>