



Australian Government

Assessment Requirements for UEGNSG118 Select and commission equipment to meet pressure and temperature control specifications

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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, performance criteria and range of conditions on at least two separate occasions and include:

- applying applicable permit to work system, including:
 - identifying the limitations in a permit to work system
 - permit to work system
 - types of permit limitations
- applying relevant work health and safety (WHS)/occupational health and safety (OHS) requirements, including:
 - using risk control measures
 - workplace procedures and practices
- applying sustainable energy principles and practices
- communicating effectively with stakeholders
- dealing effectively with unplanned events in accordance with workplace procedures, in a manner that minimises risk to personnel and equipment
- determining performance control parameters for natural gas or LPG system
- optimising performance of pressure and temperature control equipment
- planning and implementing commissioning of natural gas or LPG control equipment
- validating natural gas or LPG system performance specifications.

Knowledge Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements, performance criteria and range of conditions and include knowledge of:

- commission/decommission pipelines and cathodic protection principles, including:
 - commissioning and decommissioning procedures for pipeline and gas industry facilities and infrastructure
 - cathodic protection systems

- plan and design commissioning procedures
- plan and design cathodic protection commissioning procedures
- designing and modification to pressure and temperature equipment
- optimise performance of pressure and temperature control equipment
- operating principles of pressure and temperature control equipment and their performance characteristics, including:
 - electronic control equipment
 - pneumatic control equipment
- principles of gas flow and gas metering
- relevant manufacturer specifications
- relevant safe work method statements (SWMS)/job safety assessments or risk mitigation processes
- 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, facilities, equipment and personal protective (PPE) equipment 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>