



Australian Government

Assessment Requirements for UEGNSG508 Remotely check and report on gas station conditions

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 work health and safety (WHS)/occupational health and safety (OHS) requirements, including:
 - identifying environmental and safety hazards, assessing risks and implementing control measures
 - using risk control measures
 - workplace procedures and practices
- applying sustainable energy principles and practices
- checking and reporting gas station conditions remotely in accordance with relevant legislation, codes of practice, regulations and workplace procedures
- completing records and reports
- dealing effectively with unplanned events in accordance with workplace procedures in a manner that minimises risk to personnel and equipment.

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:

- common abnormal conditions and unplanned event of a gas station
- communication with applicable emergency service and regulatory organisations
- compliance with applicable workplace security policies and procedures, including gas station security breach workplace procedures
- corrosion processes, including cathodic protection on a gas industry pipeline
- gas industry products, processes, characteristics and tolerances, including:
 - combustion
 - components of applicable natural gases, and liquefied petroleum gas (LPG)
 - compressibility
 - effects of temperature and pressure on infrastructure

- gas pressure
- gas temperature
- hydrocarbon and water dew points
- relative density – specific gravity
- standard gas conditions
- venting and purging principles
- gas produced knowledge and safety data sheet (SDS) information
- gas station functions
- operation of gas industry plant, equipment and materials, including:
 - characteristics of gas flows, including compressed and non-compressed operations
 - characteristics, operation, capabilities and limitations of applicable tools and equipment, including prime movers, compression and control systems, pipeline facilities and associated equipment
 - commissioning and decommissioning processes of relevant equipment, such as pipework, vessels and compressors, including on-site and remote operation, as applicable
 - gas pipeline system operating parameters
 - gas pipeline systems, such as pumps, compressors, regulation, shutdown equipment, and measurement systems by on-site or remote operation, as applicable
 - operation of gas analysis and measuring equipment
 - relevant industry engineering terminology and units
 - relevant inspection and testing procedures for applicable plant and equipment
- problem-solving and fault-finding methodology, including possible solutions and probable solutions
- relevant manufacturer specifications
- relevant safe work method statements (SWMS)/job safety assessments or risk mitigation processes, including:
 - emergency management plan
 - hazards, risk assessment and control measures
 - personal protective equipment (PPE)
 - SDS
- relevant WHS/OHS legislated requirements
- relevant workplace documentation, including:
 - gas industry standards
 - gas station drawings and diagrams
 - pipeline route maps and alignment sheets, including topographical and geographical maps and information
 - signs, symbols terminology and legends as used in gas industry procedures and documents
 - workplace forms and reports
- relevant workplace policies and procedures
- remote checking and reporting relevant gas station facilities and infrastructure legislation, codes of practice, regulations and workplace 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 PPE currently used in industry
- resources used should reflect current industry practices for checking and reporting on gas station condition remotely
- applicable documentation, including workplace procedures, safety data sheets, 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>