



Australian Government

**Assessment Requirements for UEGNSG515
Use control centre systems to monitor and
control gas infrastructure**

Release: 1

Assessment Requirements for UEGNSG515 Use control centre systems to monitor and control gas infrastructure

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 environmental and sustainable energy principles and practices
- applying planning skills
- applying problem-solving skills
- applying relevant work health and safety (WHS)/occupational health and safety (OHS) requirements, including:
 - following emergency response procedures
 - maintaining a safe and clean workplace
 - working safely with hazardous materials and equipment
 - hazard identification and reporting
 - implementing risk control measures
- applying relevant legislation, standards, regulations and codes of practice
- communicating effectively with relevant stakeholders
- completing procedures for monitoring and controlling gas infrastructure
- completing relevant documentation, reports and records
- 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
- evaluating, responding and reporting threats to pipeline systems operation
- following workplace procedures
- identifying system constraints
- monitoring and controlling gas infrastructure using control centre systems
- operating communications equipment
- operating supervisory control and data acquisition (SCADA) and other associated information systems
- participating in handover
- planning to use control centre systems to monitor and control gas infrastructure
- reporting and following up on faults and incidents
- responding to alarms and out-of-specification conditions

- work safely in the gas industry by reducing risk.

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:

- communication in the workplace
- control centre systems and relevant system, including:
 - SCADA
 - outage management systems
 - alarm management systems
 - site security systems
 - communications systems
- effective operation of gas industry systems
- emergency and accident situations
- emergency/incident control procedures
- environmental and sustainable energy requirements
- gas industry products, processes and characteristics
- gas industry reports and documentation
- handover procedures
- hazard identification and reporting
- pipeline operational parameters
- pipeline systems
- problem-solving techniques
- relevant industry standards, guidelines, codes of practice, legislation and regulations
- relevant manufacturer specifications
- relevant safe work method statements (SWMS)/job safety assessments or risk mitigation processes
- relevant WHS/OHS regulations, policies and procedures
- relevant workplace documentation
- relevant workplace policies and procedures
- station functions, including identification of abnormal conditions of stations and reporting.

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-ffc4-4f3d-8063-415efd261e8>