Assessment Requirements for UEGNSG064 Operate and monitor pipeline control systems

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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 industry standards, guidelines, codes of practice and regulations
- applying relevant workplace safety requirements, including:
  - ensuring emergency response procedures are in place
  - identifying and reporting hazards
  - implementing risk control measures
  - selecting and using correct personal protective equipment (PPE)
- applying sustainable energy and environmental principles and practices
- communicating with relevant authorities and stakeholders
- completing work and relevant documentation
- 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
- following workplace procedures
- interpreting technical drawings, plans and materials lists
- monitoring pipeline and system performance
- obtaining relevant work permits
- operating and monitoring the controls system
- rehabilitating and maintaining a clean worksite.

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:

- communication techniques
- gas industry products, processes and characteristics
- hazardous activities and high-risk construction work
- inspecting and testing procedures

- operating conditions and performance of equipment and systems
- pipeline systems operating parameters
- problem-solving techniques
- quality and safety checks
- relevant industry standards, guidelines, codes of practice and regulations
- relevant manufacturer specifications
- relevant plant, equipment, tools and materials
- relevant risk mitigation processes, including:
  - environmental and sustainable energy principles and practices
  - hazard warnings and safety signs
  - hazardous materials
  - hazards, risk assessment and control measures
  - PPE
  - site inspections
- relevant stakeholders, including:
  - authorised persons, authorities, clients, tenants and landowners
  - workplace colleagues
  - relevant customers and suppliers
  - pipeline control centre
  - regulatory bodies
  - emergency response organisations
- relevant technical drawings, plans and material lists
- relevant workplace safety requirements, including:
  - legislated work health and safety (WHS)/occupational health and safety (OHS) requirements
  - legislated industry/technical specific requirements
  - workplace safety procedures
  - manufacturer requirements
- relevant work permits
- relevant workplace documentation, records and reports
- relevant workplace policies and procedures
- types of pipeline control systems, including:
  - compression systems, prime movers, instrument and control systems, and valve systems.

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.

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