Assessment Requirements for UEGNSG905 Monitor and control hydrogen in gas distribution networks

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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:
    - emergency response procedures
    - sustainable energy and environmental principles and practices
    - hazard identification and reporting
    - implementation of risk control measures
- communicating effectively with relevant stakeholders, including:
    - authorised persons
    - authorities
    - market operators
    - producers
    - users
- completing procedures for monitoring and controlling gas distribution networks
- completing relevant documentation, reports and records
- complying with regulations, industry standards, legislative requirements, codes of practice, manufacturers' recommendations and specifications, and environmental requirements
- 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 hydrogen in gas distribution networks using control centre systems
- operating associated information systems
- operating communications equipment
- participating in handover
- planning to use control centre systems to monitor and control gas distribution networks

- 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 and performance criteria and include knowledge of:

- communication in the workplace
- control centre systems and relevant system, including:
  - alarm management systems
  - communications systems
  - outage management systems
  - SCADA
  - site security systems
- effective operation of gas industry systems
- emergency and accident situations
- emergency/incident control procedures
- environmental and sustainable energy requirements
- gas industry reports and documentation
- handover procedures
- hydrogen characteristics
- hazard identification and reporting
- network operational parameters, including:
  - blending requirements
  - monitoring points
- pipeline systems
- problem-solving techniques
- regulations, industry standards, legislative requirements, codes of practice, manufacturers' recommendations and specifications, and environmental requirements
- 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
- quality and safety checks
- relevant stakeholders, including:
  - authorised persons
  - authorities
  - market operators
  - producers

- users
- station functions, including identification of deviations and reporting.

Assessment Conditions

Assessors must hold credentials specified within the Standards for Registered Training Organisations current at the time of assessment.

Assessment must satisfy the Principles of Assessment and Rules of Evidence and all regulatory requirements included within the Standards for Registered Training Organisations current at the time of 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 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.gov.au/Pages/TrainingDocs.aspx?q=6a6c032e-ffcb-4f3d-8063-415efbd261e8

    Australian Industry Standards