Assessment Requirements for UEGNSG504 Monitor and control gas infrastructure using Control Centre systems

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

- achieving nominated energy flow targets within system constraints
- applying sustainable energy principles and practices
- applying relevant work health and safety (WHS)/occupational health and safety (OHS) requirements, including:
    - following emergency response procedures
    - hazard identification and reporting
    - implementing risk control measures
- applying relevant legislation, standards, regulations and codes of practice
- communicating effectively with relevant stakeholders
- dealing with unplanned events and 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
- extracting data and pre-formatted reports from the SCADA system
- identifying SCADA system anomalies
- 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 faults and incidents
- responding to alarms and out-of-specification conditions.

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:
    - alarm management systems
    - communications systems
    - outage management systems
    - SCADA
    - site security systems
- emergency/incident procedures
- gas industry products, processes and characteristics
- 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 policies and procedures
- relevant workplace reports and documentation
- station functions, including identification of abnormal conditions of stations and reporting
- sustainable energy requirements, principles and practices.

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