



Australian Government

Assessment Requirements for UEGNSG355 Monitor and report on cathodic protection systems

Release: 1

Assessment Requirements for UEGNSG355 Monitor and report on cathodic protection systems

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 problem-solving techniques
- applying relevant industry standards, guidelines, codes of practice and regulations
- applying relevant work health and safety (WHS)/occupational health and safety (OHS) requirements, including:
 - working safely with hazardous materials and equipment
 - hazard identification and reporting
 - implementing risk control measures
- applying sustainable energy and environmental principles and practices
- communicating effectively with others
- completing relevant records, reports and 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 work schedule, safety plan and job requirements
- following workplace procedures
- identifying and recognising cathodic protection system faults
- interpreting technical drawings, plans and maps
- monitoring and reporting on cathodic protection systems
- obtaining relevant resources, tools, equipment and materials to conduct the work
- preparing to monitor and report on cathodic protection systems
- rehabilitating and maintaining a clean work site
- reporting anomalies, proposed solutions, incidents and injuries
- reviewing, recording and reporting relevant information
- selecting and using correct personal protective equipment (PPE)
- working in accordance with relevant work permit/notifications
- using and maintaining relevant cathodic protection equipment, including:
 - gas detectors
 - pipe locaters.

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:

- cathodic protection principles and equipment
- effective communication techniques
- fault-finding and troubleshooting techniques
- gas industry policies and procedures
- gas industry products, processes, characteristics, components and tolerances
- gas transmission pipelines and operating parameters
- hazardous activities, including lifting, climbing, working in confined spaces and aloft, and use of power tools
- inspection and testing procedures for cathodic protection equipment and systems
- principles, procedures and requirements for cathodic protection on a gas industry pipeline
- quality and safety checks
- relevant gas industry documentation
- relevant industry standards, guidelines, codes of practice and regulations
- relevant stakeholders, including authorised persons, authorities, landowners and clients
- relevant technical drawings, diagrams, plans and maps
- relevant WHS/OHS legislated requirements, including:
 - hazards, risk assessment and control measures
 - environmental and sustainable energy principles and practices
 - hazard warnings and safety signs
 - hazardous materials
 - PPE
- relevant work permits and/or notifications
- relevant workplace documentation
- relevant workplace policies and procedures
- reporting requirements
- site preparation, safety plans, job requirements and work schedules
- techniques to identify system faults and operational conditions.

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 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>