



Australian Government

UEGNSG037 Supervise technical operations for gas distribution or transmission

Release: 1

UEGNSG037 Supervise technical operations for gas distribution or transmission

Modification History

Release 1. This is the first release of this unit of competency in the UEG Gas Industry Training Package.

Application

This unit involves the skills and knowledge required to supervise technical operations for gas distribution or transmission project.

It includes preparing, selecting and using relevant resources, including equipment, tools and personnel; identifying, solving and monitoring operational faults; and completing relevant documentation.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Not applicable

Competency Field

Gas Cross Discipline

Unit Sector

Gas Industry

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

1 Prepare to supervise operations

PERFORMANCE CRITERIA

Performance criteria describe the performance needed to demonstrate achievement of the element.

- 1.1** Job requirements are interpreted from plans, specifications and instructions
- 1.2** Relevant job requirements and workplace procedures for work activities are discussed with relevant person/s

to determine and confirm work schedule and respective responsibilities

- 1.3** Workplace safety and environmental control measures for the site are identified, obtained and applied
- 1.4** Workplace safety procedures and environmental and sustainable energy policies and procedures related to the work are identified, obtained and applied
- 1.5** Hazards are identified, risks are assessed, and control measures are prioritised, implemented and monitored in accordance with workplace procedures
- 1.6** Scope of responsibility under the relevant work permits and/or relevant notification is determined and confirmed to access, isolate/de-energise systems and perform work in accordance with job requirements and workplace procedures
- 1.7** Equipment, tools and personal protective equipment (PPE) needed to carry out work activities are identified, scheduled, obtained and checked for correct operation and safety in accordance with workplace procedures and manufacturer instructions
- 1.8** Relevant person/s is consulted to ensure work activity is coordinated effectively with person/s involved
- 1.9** Third-party issues are referred to relevant person/s in accordance with workplace procedures
- 1.10** Site preparation, safety plan, first aid and related workplace safety procedures and work schedule are confirmed in accordance with workplace procedures
- 1.11** Project expenditure is forecast, monitored and managed in accordance with operational budget constraints

2 Supervise operations during project

- 2.1** Workplace safety risk control measures are followed in accordance with workplace procedures
- 2.2** Appropriate materials, tools, equipment and measuring devices are selected and used safely in accordance with manufacturer instructions and workplace procedures
- 2.3** Hazardous activities are conducted safely in accordance with regulatory requirements and workplace procedures

- 2.4 Faults and operational conditions of the components are identified, repaired or replaced, and reported in accordance with organisational job requirements
 - 2.5 Project work is supervised to ensure completion in agreed timeframe and to industry standards with a minimum of waste in accordance with job requirements and workplace procedures
 - 2.6 Unplanned events and non-routine problems are identified and actioned in accordance with workplace procedures
 - 2.7 Quality and safety checks of the work are undertaken in accordance with job requirements, workplace procedures and community and industry standards
 - 2.8 Relevant person/s is updated with project status/requirements in accordance with workplace procedures
- 3 **Complete project work and relevant documentation**
 - 3.1 Work undertaken is checked against project work schedule for conformance and anomalies and proposed solutions identified and reported to relevant person/s in accordance with workplace procedures
 - 3.2 Incidents and injuries are reported and followed up as required in accordance with workplace procedures
 - 3.3 Worksite is cleaned/tidied and made safe in accordance with workplace procedures
 - 3.4 Tools, equipment and surplus resources and materials are cleaned, checked and returned to storage in accordance with workplace procedures
 - 3.5 Relevant person/s is notified of work completion in accordance with workplace procedures
 - 3.6 Work completion documentation is completed accurately and provided to relevant person/s in accordance with workplace procedures

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

Range is restricted to essential operating conditions and any other variables essential to the work environment.

Non-essential conditions may be found in the UEG Gas Industry Training Package Companion Volume Implementation Guide.

Unit Mapping Information

This unit replaces and is equivalent to UEGNSG110 Supervise technical operations for gas distribution or transmission.

Links

Companion Volume Implementation Guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=6a6c032e-ffcb-4f3d-8063-415efbd261e8>

Assessment Requirements for UEGNSG037 Supervise technical operations for gas distribution or transmission

Modification History

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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 workplace safety requirements, including:
 - applying inspecting and testing workplace procedures
 - identifying and reporting hazards
 - implementing risk control measures
 - selecting and using correct personal protective equipment (PPE)
 - working safely with hazardous materials and equipment
- communicating with relevant stakeholders
- completing project work and relevant records, reports and documentation
- conducting project quality and safety checks
- dealing with unplanned events/situations in accordance with workplace procedures in a manner that minimises risk to personnel and equipment
- obtaining and complying with relevant work permits
- operating within project budget constraints
- performing operations during projects
- planning and supervising gas project operations
- prioritising and sequencing work to meet project timeframes
- 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:

- effective communication techniques
- environmental and sustainable energy principles and practices
- operating principles of gas industry infrastructure and equipment, including pipelines and facilities

- problem-solving techniques
- project expenditure and budget constraints
- quality and safety checks
- relevant industry standards, guidelines, codes of practice and regulations
- relevant gas industry equipment, tools and materials
- relevant manufacturer specifications
- relevant safe work method statements (SWMS)/job safety analysis (JSA) or risk mitigation processes, including:
 - hazards, risk assessment and control measures
 - hazard warnings and safety signs
 - hazardous materials
 - PPE
- relevant stakeholders, including:
 - authorised persons, authorities, clients, tenants and landowners
 - plant operators and contractors
 - internal colleagues
- relevant timeframes
- 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
- relevant work permits
- relevant workplace policies and procedures, including procedures for identifying, diagnosing, assessing, analysing, locating and repairing faults in gas infrastructure
- relevant workplace records, reports and documentation.

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

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