



Australian Government

UEGNSG503 Monitor and control field activities

Release: 1

UEGNSG503 Monitor and control field activities

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 monitor and control field activities.

It includes monitoring permit to work requests, despatching, coordinating and monitoring work activities of field personnel, contingency planning, controlling and authorising field works.

It also includes responding to third-party enquiries, alarms and man down alarms, out of hours pipeline notifications, monitoring pipeline activities, availability of assets and equipment status.

It also includes controlling gas flow and quality, controlling pressure and temperature of gas, and preparing incident reports and 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 Control Centre

Unit Sector

Gas Industry

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

1 Plan to monitor and control field activities

PERFORMANCE CRITERIA

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

- 1.1** Work schedules, job requirements and plans are examined to assess the extent of preparation required to plan and coordinate the work

- 1.2 Work is prioritised and sequenced for completion within agreed timeframes following consultation with relevant person/s in accordance with workplace procedures
 - 1.3 Work health and safety (WHS)/occupational health and safety (OHS) hazards and risks are discussed with field personnel
 - 1.4 Recognised system constraints and potential issues are identified for work sites and communicated to relevant person/s in accordance with workplace procedures
 - 1.5 Operational and commercial requirements are communicated in accordance with workplace procedures
 - 1.6 WHS/OHS and sustainable energy policies and procedures are obtained to ensure safe systems of work are followed
 - 1.7 Relevant work permit/s are issued to coordinate the work in accordance with job/regulatory requirements and workplace procedures
 - 1.8 Communications with relevant stakeholders are undertaken and work coordinated in accordance with workplace procedures
- 2 Monitor and control field activities**
 - 2.1 WHS/OHS policies, procedures and safe work practices are followed
 - 2.2 Work is coordinated and performed in accordance with workplace procedures
 - 2.3 Work is coordinated to ensure completion in agreed timeframe and to industry standards in accordance with job requirements and workplace procedures
 - 2.4 Unplanned events and non-routine problems are identified and actioned in accordance with workplace procedures
- 3 Complete monitoring and controlling field activities and required documentation**
 - 3.1 Work undertaken is checked against agreed timeframes for conformance and anomalies and proposed solutions identified and documented in accordance with workplace procedures
 - 3.2 Personnel movements and the status of plant and equipment are recorded and relevant work permit/s and field activities signed off and closed in accordance with

workplace procedures

- 3.3 Shift handover procedures are conducted and field activity detail relayed and confirmed with relevant person/s in accordance with workplace procedures
- 3.4 Work completion records, reports and documentation are completed and appropriate person/s notified 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 UEGNSG514 Managing and controlling field activities.

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 UEGNSG503 Monitor and control field activities

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 relevant industry standards, guidelines, codes of practice, legislation and regulations
- applying relevant work health and safety (WHS)/occupational health and safety (OHS) requirements, including:
 - emergency response procedures
 - hazard identification and reporting
 - implementing risk control measures
 - working safely with hazardous materials and equipment
- applying sustainable energy and environmental principles and practices
- communicating with other authorities and relevant stakeholders
- completing required field activity documentation, records and reports
- conducting quality and safety checks
- conducting shift handover
- dealing with unplanned events and situations in accordance with workplace procedures, in a manner that minimises risk to personnel and equipment
- following workplace procedures
- identifying abnormal conditions and anomalies
- monitoring gas field work activities
- obtaining and using relevant field permit to work systems
- planning to monitor and control field activities
- taking remedial action to address shortfalls in work activities.

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:

- fault-finding and troubleshooting techniques
- field activities
- gas industry products, processes and characteristics

- monitoring field work
- principles associated with pipelines and other gas infrastructure
- problem-solving techniques
- quality and safety checks
- relevant field permit to work systems
- relevant industry standards, guidelines, codes of practice, legislation and regulations
- relevant stakeholders, including:
 - authorised persons, authorities and clients
 - emergency response organisations
 - regulatory bodies
 - relevant customers and suppliers
 - workplace colleagues and managers
- relevant WHS/OHS legislated requirements, including:
 - emergency/incident control procedures
 - hazards, risk assessment and control measures
 - sustainable energy principles and practices
- relevant workplace and gas industry documentation, reports and records
- relevant workplace policies and procedures
- shift handover procedures and requirements
- written and oral communication techniques.

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.

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