



Australian Government

UEGNSG513 Manage emergencies and critical incidents for gas infrastructure

Release: 1

UEGNSG513 Manage emergencies and critical incidents for gas infrastructure

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 manage emergencies and critical incidents for gas infrastructure facilities.

It includes managing incidents of a critical nature that may impact on the operational effectiveness of the plant or system, endanger human life or property and/or have an adverse impact on the environment.

This unit is intended to augment formally acquired competencies.

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

Pre-requisite Unit

HLTAID003 Provide first aid

UEGNSG141 Apply workplace health and safety regulations, codes and practices in the gas supply industry

Competency Field

Control Centre Discipline

Unit Sector

Gas Industry

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

PERFORMANCE CRITERIA

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

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| 1 Prepare to manage critical | 1.1 Workplace procedures and contingency plans for |
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incidents	dealing with emergencies and critical incidents are identified
	1.2 Incident/threat is analysed, prioritised and sequenced for the most efficient and effective outcome following consultation with others for completion within acceptable timeframes in accordance with workplace procedures
	1.3 Hazards and work health and safety (WHS)/occupational health and safety (OHS) risks are identified, assessed and prioritised, and control measures implemented and monitored in accordance with workplace procedures
	1.4 System constraints are identified for work sites in accordance with workplace procedures and communicated to relevant person/s
	1.5 Operational and commercial requirements are communicated to stakeholders in accordance with workplace procedures
	1.6 WHS/OHS, environmental and sustainable energy policies and procedures related to the work are identified to ensure safe systems of work are followed
	1.7 Communication with authorised person/s, authorities, clients and land owners is conducted and work coordinated in accordance with workplace procedures
2 Implement incident response strategies	2.1 WHS/OHS risk control measures and policies and procedures are followed in accordance with workplace procedures
	2.2 Incident information regarding the scope and severity of the incident is obtained and recorded in accordance with workplace procedures
	2.3 Incident information is analysed and assessed and appropriate action taken in accordance with incident response strategy and workplace procedures
	2.4 WHS/OHS risks and incidents are identified and actioned in accordance with workplace procedures
	2.5 Communication with incident support services and relevant stakeholders is established in accordance with workplace procedures

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| | 2.6 | Actions are taken to reduce the effect of the incident to minimise threats to the public, pipeline, facilities and environment in accordance with requirements, incident response strategy and workplace procedures |
| | 2.7 | Incident is continually monitored and assessed for changes and responded to in accordance with incident response strategy and workplace procedures |
| 3 Complete procedures for managing critical incidents | 3.1 | Work completion documentation, records and reports are completed, processed and appropriate persons notified |
| | 3.2 | Debriefing is conducted with relevant person/s to review incident response procedures and develop recommendations for changes to workplace procedures, as required |

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 UEGNSG513A Manage emergencies and critical incidents for gas infrastructure.

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 UEGNSG513 Manage emergencies and critical incidents for gas infrastructure

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
 - hazard identification and reporting
 - implementing risk control measures
 - maintaining a safe and clean workplace
- analysing and assessing incident information
- applying contingency plans
- applying environmental and sustainable energy principles and practices
- applying planning skills
- applying relevant legislation, standards, regulations and codes of practice
- communicating effectively in the workplace
- completing procedures for managing critical incidents
- completing relevant workplace documentation, reports and records
- 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/incidents to pipeline systems operation
- implementing incident response strategies
- managing communication with relevant stakeholders, including:
 - the media
 - workplace colleagues
 - workplace managers
 - relevant customers and suppliers
 - regulatory bodies
 - property/land owners (including traditional land owners) and tenants
 - emergency response organisations
- minimising threats to the public, pipeline, facilities and environment
- monitoring and assessing incident for changes

- monitoring field work
- operating communications equipment
- participating in debrief
- preparing to manage critical incidents
- responding correctly to alarms
- using relevant field permit to work systems
- working 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 techniques required in a supervisory role
- comply with environmental and cultural issues requirements
- contingency plans
- debriefs
- effective operation of gas industry plant, equipment and materials
- emergency and accident situations
- emergency management in the gas sector
- emergency/incident control procedures
- escalation of emergency levels
- gas industry products, processes and characteristics
- gas industry reports and documentation
- general principles associated with pipelines and other gas infrastructure
- hazards, risk assessments and control measures
- incident response strategies
- operate and supervise in the gas industry
- pipeline operational parameters
- problem-solving techniques
- relevant gas industry documents
- relevant legislation, standards, regulations and codes of practice
- relevant manufacturer specifications
- relevant permits and notifications required
- relevant safe work method statements (SWMS)/job safety assessments or risk mitigation processes
- relevant sections of the pipeline and associated standards and legislation
- relevant WHS/OHS regulations, policies and procedures
- relevant workplace documentation
- relevant workplace policies and procedures
- safe working practices for managing emergencies and critical incidents for gas infrastructure
- security breach procedures
- station function, including identification of abnormal conditions of stations and reporting

- strategies for dealing with difficult situations
- sustainable energy principles and practices.

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 personal protective equipment (PPE) currently used in industry
- applicable documentation, including workplace procedures, equipment specifications, regulations, codes of practice and operation manuals.

Links

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