



Australian Government

UEGNSG502 Implement emergency and critical incident response for gas infrastructure incidents

Release: 1

UEGNSG502 Implement emergency and critical incident response for gas infrastructure incidents

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 implement emergency and critical incident responses for gas infrastructure facilities and assets.

It includes implementing incident responses 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.

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

Pre-requisite Unit

Not applicable

Competency Field

Control Centre Discipline

Unit Sector

Gas Industry

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

1 Prepare to implement critical incident responses

PERFORMANCE CRITERIA

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

- 1.1 Workplace procedures and contingency plans for dealing with emergencies and critical incidents are identified
- 1.2 Incident information regarding the scope and severity of the incident is obtained and recorded in accordance with

	workplace procedures
	1.3 Work health and safety (WHS)/occupational health and safety (OHS) hazards and risks are identified 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
2 Implement incident response strategies	2.1 Incidents and threats are 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
	2.2 Communication with authorised person/s, authorities, clients and land owners is conducted and work coordinated in accordance with workplace procedures
	2.3 Work health and safety (WHS)/occupational health and safety (OHS) hazards and risks are assessed and prioritised, and control measures implemented and monitored in accordance with workplace procedures
	2.4 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
3 Complete procedures for implementing critical incident responses	3.1 Incident is continually monitored and assessed for changes and responded to in accordance with incident response strategy and workplace procedures
	3.2 Work completion documentation, records and reports completed, processed and appropriate persons notified in accordance with workplace procedures
	3.3 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 UEGNSG513 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 UEGNSG502 Implement emergency and critical incident response for gas infrastructure incidents

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:

- analysing and assessing incident information
- 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
- 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 implementing critical incident responses
- completing relevant workplace documentation, reports and records
- 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 and incidents to pipeline systems operation
- implementing incident response strategies
- managing communication with relevant stakeholders, including:
 - asset engineering
 - emergency response organisations
 - relevant customers and suppliers
 - workplace colleagues
 - workplace managers
- 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 implement critical incident responses
- 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
- contingency plans
- effective operation of gas industry plant, equipment and materials
- emergency and accident situations
- emergency management in the gas sector
- emergency/incident control procedures
- environmental and cultural issues compliance requirements
- 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
- pipeline operational parameters
- problem-solving techniques
- relevance of debriefs
- 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 and risk mitigation processes
- relevant sections of the pipeline and associated standards and legislation
- relevant stakeholders, including:
 - asset engineering
 - customers and suppliers
 - emergency response organisations
 - property/land owners (including traditional land owners) and tenants
 - regulatory bodies
 - the media
 - workplace colleagues

- workplace managers
- safe working practices for implementing emergency and critical incident responses for gas infrastructure
- security breach procedures
- station function, including identification of abnormal conditions of stations and reporting
- strategies for dealing with abnormal operating conditions.

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

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