



Australian Government

UEGNSG051 Coordinate repair of pipeline, facilities and equipment

Release: 1

UEGNSG051 Coordinate repair of pipeline, facilities and equipment

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 coordinate the repair of gas pipeline, facilities and equipment.

It includes coordinating repair of gas pipeline, facilities and equipment. It also includes coordinating recommissioning of systems and equipment; and completing the required documentation, reports and record keeping.

Persons undertaking this unit would work as a supervisor or in a planning role to coordinate gas pipeline repair and work independently performing specific tasks in a range of contexts that could be unpredictable.

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 for the coordination of pipeline,

PERFORMANCE CRITERIA

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

1.1 Workplace safety, environmental and sustainable energy practices for the site are identified, obtained and

facilities and equipment repairs	understood
	1.2 Job requirements are obtained and interpreted from plans, specifications and instructions
	1.3 Relevant job requirements and workplace procedures for work activities are discussed with relevant person/s, including third parties, to determine and confirm work schedule and respective responsibilities
	1.4 Hazards are identified, workplace safety and environmental risks are assessed, and control measures are prioritised, implemented and monitored in accordance with workplace procedures
	1.5 Scope of responsibility under the relevant job requirements, including all work permits and/or relevant notifications, is determined and confirmed to access the services and perform work in accordance with job requirements and workplace procedures
	1.6 Equipment, tools and personal protective equipment (PPE) needed to carry out work activities are identified, obtained and checked for correct operation and safety in accordance with workplace procedures and manufacturer instructions
	1.7 Materials, plans, diagrams, drawings and resources required for work are confirmed and obtained in accordance with workplace procedures
2 Coordinate repair of gas pipeline, facilities and equipment	2.1 Workplace safety and environmental risk control measures, schedule of work and workplace procedures for carrying out work are followed
	2.2 Appropriate materials, tools and equipment are selected and used safely in accordance with manufacturer instructions and workplace procedures
	2.3 Work is completed within agreed timeframe and to industry standards in accordance with job requirements and workplace procedures
	2.4 Hazardous activities are conducted safely in accordance with regulatory requirements and workplace procedures
	2.5 Faults and operational conditions of the components are identified, repaired or replaced and reported in

- accordance with organisational job requirements
- 2.6** Unplanned events are referred to the relevant person/s for directions in accordance with workplace procedures
- 3 Coordinate reinstatement of systems and equipment and complete relevant documentation**
- 3.1** Repaired/installed equipment is brought back online at the desired operational parameters and work undertaken is checked against work schedule for conformance in accordance with workplace procedures
- 3.2** Workplace safety risk control measures for work completion are followed
- 3.3** Quality and safety checks of the work are conducted in accordance with job requirements, workplace procedures and community and industry standards
- 3.4** Worksite is cleaned, reinstated and made safe in accordance with workplace procedures
- 3.5** Tools, equipment and any surplus resources/materials are cleaned, checked and securely stored in accordance with workplace procedures
- 3.6** Incidents are reported and followed up as required in accordance with workplace procedures
- 3.7** Relevant person/s is notified of work completion in accordance with workplace procedures
- 3.8** 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 UEGNSG106 Coordinate repair of pipeline, facilities and equipment.

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 UEGNSG051 Coordinate repair of pipeline, facilities and equipment

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 workplace safety requirements, including:
 - ensuring emergency response workplace procedures are in place
 - identifying and reporting hazards
 - implementing risk control measures
 - working safely with hazardous materials and equipment
- applying problem-solving techniques
- applying relevant industry standards, guidelines, codes of practice and regulations
- applying sustainable energy and environmental principles and practices
- communicating schedules to coordinate to person/s
- communicating with other authorities and relevant stakeholders
- completing work and relevant documentation
- coordinating pipeline, facilities and equipment repairs
- dealing with unplanned events in accordance with workplace documentation
- following relevant workplace procedures
- interpreting technical drawings, plans and materials lists
- obtaining relevant resources, tools, equipment and materials
- obtaining relevant work permits
- positioning road signs, barriers and warning devices
- preparing for the coordination of pipeline, facilities and equipment repairs
- reinstating gas pipeline systems and equipment.

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
- coordination of repair of pipeline, facilities and equipment requirements
- documentation requirements to reflect the repair work carried out

- persons, equipment and process required for the repair work
- progress of repair work, including evaluating required amendments or modifications
- recommissioning and/or reinstatement of gas pipeline systems and equipment, including quality and safety checks
- relevant industry standards, guidelines, codes of practice and regulations
- relevant manufacturer specifications
- relevant safe work method statements (SWMS)/job safety analysis (JSA) or risk mitigation processes
- relevant stakeholders, including authorised persons, authorities, clients and landowners
- relevant technical drawings, plans or specifications
- 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 workplace documentation
- relevant workplace policies and procedures
- required work permits, including cancel/sign-off of relevant work permits
- restoration of site in compliance with workplace safety and environmental legislative and operational requirements
- road signs, barriers and warning devices
- techniques to secure work area and equipment prior to repair
- traffic management plans
- types of problems and faults that may require repair
- verification that facilities/equipment are safe for repair work to commence.

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.

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