



Australian Government

UEGNSG316 Work in proximity of transmission pipeline construction plant and equipment

Release: 1

UEGNSG316 Work in proximity of transmission pipeline construction plant 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 work in proximity of gas transmission construction plant and equipment, and complete work and documentation in accordance with relevant legislations, codes of practice, regulations, industry standards and workplace procedures.

It includes the operating parameters and safety issues of a range of specific plant and equipment dedicated to the construction of transmission pipelines at a construction work site.

The application of the skills and knowledge described in this unit may require a licence/registration to practise in the workplace.

Other conditions may apply under state and territory legislative and regulatory licensing requirements which must be confirmed prior to commencing this unit.

Pre-requisite Unit

Not applicable.

Competency Field

Transmission

Unit Sector

Gas Industry

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

1 Prepare to work in proximity of plant and

PERFORMANCE CRITERIA

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

1.1 Work health and safety (WHS)/occupational health and safety (OHS) workplace procedures and environmental

equipment for transmission pipeline construction	measures for the site are identified, obtained and applied
	1.2 Job requirements and workplace procedures for the site are obtained and discussed with relevant person/s to confirm the work schedule
	1.3 WHS/OHS, environmental and sustainable energy policies and procedures are obtained and applied in accordance with workplace procedures
	1.4 Easement is inspected and assessed to determine relevant requirements in accordance with workplace procedures
	1.5 Hazards are identified, WHS/OHS risks are assessed and control measures prioritised, implemented and monitored in accordance with workplace procedures
	1.6 Scope of responsibility under the relevant work permit and/or relevant notification is obtained and confirmed with relevant person/s in accordance with job requirements and workplace procedures
	1.7 Equipment, plant, tools and personal protective equipment (PPE) required for the work are identified, scheduled, obtained and checked for operation and safety in accordance with workplace procedures and manufacturer instructions
	1.8 Relevant person/s are consulted to ensure the work is coordinated effectively with others involved
	1.9 Materials, plans, diagrams, drawings and resources required for the work are confirmed, scheduled and obtained in accordance with workplace procedures
	1.10 Responsibilities for first aid, emergencies and work safety procedures for an incident at the worksite are checked and confirmed with relevant person/s
	1.11 Third-party issues are referred to relevant person/s in accordance with workplace procedures
	1.12 Site preparation, safety plan and work schedule are confirmed with relevant person/s in accordance with workplace procedures
2 Work in proximity of plant and equipment for	2.1 WHS/OHS risk control measures, schedule of work and workplace procedures for carrying out the work are

transmission pipeline construction	followed
	2.2 Materials, tools, equipment and measuring devices required for the work are selected and used correctly and safely in accordance with manufacturer instructions and workplace procedures
	2.3 Hazardous activities are conducted safely in accordance with WHS/OHS workplace procedures and job instructions
	2.4 Work is carried out to the required standard, without waste of materials or damage to apparatus, circuits, and the surrounding environment or services using sustainable energy principles
	2.5 WHS/OHS risks and incidents are reported to authorised person/s for directions in accordance with workplace procedures
	2.6 Unplanned events are referred to the authorised person/s for directions in accordance with workplace procedures
	2.7 Remedial action required when constructing pipeline easements is dealt with in accordance with workplace procedures
	2.8 Quality and safety checks are carried out in accordance with work instructions and workplace procedures
3 Complete work and relevant documentation	3.1 WHS/OHS risk control measures for work completion are followed
	3.2 Work site is tidied and made safe in accordance with workplace procedures
	3.3 Tools, equipment and any surplus resources and materials are cleaned, checked and securely stored in accordance with workplace procedures
	3.4 Relevant person/s are notified of work completion in accordance with workplace procedures
	3.5 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 UEGNSG333 Work in proximity of transmission pipeline construction plant 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 UEGNSG316 Work in proximity of transmission pipeline construction plant 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, performance criteria and range of conditions on at least two separate occasions and include:

- applying relevant work health and safety (WHS)/occupational health and safety (OHS) requirements, including:
 - ensuring emergency response procedures are in place
 - identifying and reporting hazards
 - implementing risk control measures
 - working safely with hazardous materials and equipment
 - undertaking hazardous activities in a safe manner
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- applying sustainable energy and environmental principles and practices, including minimising waste
- completing required documentation and reporting
- complying with regulations, industry standards, legislative requirements, codes of practice, manufacturers' recommendations and specifications, and environmental requirements
- dealing with unplanned events/situations in accordance with workplace procedures in a manner that minimises risk to personnel and equipment
- following workplace policies and procedures
- identifying and checking tools, equipment, plant and personal protective equipment (PPE) for correct operating parameters and safety
- inspecting and assessing easement
- maintaining a clean and safe work site
- obtaining and interpreting relevant plans, drawings, diagrams and schedules
- obtaining job requirements, work instructions, safety plans and work schedules
- obtaining relevant resources and materials to conduct the work
- performing quality and safety checks
- preparing to work in proximity of plant and equipment for transmission pipeline construction plant and equipment, including two of the following activities:
 - earth-moving
 - hydro-testing

- joint coating
- lowering and laying.

Knowledge Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements, performance criteria and range of conditions and include knowledge of:

- easements relevant to transmission pipeline construction
- effective communication techniques
- environmental and sustainable energy principles and practices, including techniques to minimise waste
- first aid, emergency and safety procedures for incidents
- hazards and hazardous activities in the workplace
- licensing requirements for construction plant and equipment
- plant, tools and equipment types, purpose and basic operation, including the following:
 - earth-moving
 - hydro-testing
 - joint coating
 - lowering and laying
- quality and safety check procedures
- regulations, industry standards, legislative requirements, codes of practice, manufacturers' recommendations and specifications, and environmental requirements
- relevant construction plant and equipment manufacturer instructions
- relevant industry and technical standards
- relevant materials, plans, diagrams, drawings and resources
- relevant remedial actions for constructing pipeline easements
- relevant safe work method statements (SWMS)/job safety assessments or risk mitigation processes and includes personal protective equipment
- relevant WHS/OHS legislated requirements
- relevant work permits and/or notifications
- relevant workplace documentation
- relevant workplace policies and procedures
- safe operating parameters
- site preparation, safety plans, job requirements and work schedules.

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

Links

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