



Australian Government

UEGNSG331 Establish right of way access for transmission pipeline construction

Release: 1

UEGNSG331 Establish right of way access for transmission pipeline construction

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 prepare and establish right of way access for transmission pipeline construction, and complete work activities and workplace documentation in accordance with relevant legislation, industry standards, codes of practice and workplace procedures.

It includes obtaining relevant permits; verifying and identifying third-party assets; applying environmental and cultural heritage controls; and providing access for operators to survey, clear, ditch, lower in, backfill and reinstate the pipeline easement.

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

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 establish right of way access for transmission pipeline

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 measures for the site are identified, obtained and applied

construction

- 1.2 Topographical/geographical maps and workplace procedures for the site are obtained and job requirements 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 Recommendations to assist with construction of right of way for easements are made to others involved in the work 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 work and level of responsibility under the relevant work permit and/or relevant authorisation is obtained and confirmed with relevant person/s in accordance with job requirements and workplace procedures
 - 1.7 Tools, equipment and personal protective equipment (PPE) required for the work are identified, scheduled, obtained and checked for correct operation and safety in accordance with workplace procedures and manufacturer instructions
 - 1.8 Materials, plans, diagrams, drawings and resources required for the work are confirmed, scheduled and obtained in accordance with workplace procedures
 - 1.9 Responsibilities for first aid, emergencies and other work safety procedures for an incident at the work site are checked and confirmed with relevant person/s
 - 1.10 Third-party issues are referred to relevant person/s in accordance with workplace procedures
 - 1.11 Site preparation, safety plan and work schedule are confirmed with relevant person/s in accordance with workplace procedures
- 2 **Establish right of way access for transmission pipeline construction**
 - 2.1 WHS/OHS risk control measures, schedule of work and workplace procedures for carrying out the work are 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, including lifting, climbing, use of power tools, and working in confined spaces, excavations, trenches, or aloft, are conducted safely in accordance with WHS/OHS workplace procedures and job instructions
 - 2.4 Work area is cordoned off and made safe for the construction of pipeline easements in accordance with workplace procedures
 - 2.5 Construction of pipeline easement is conducted in agreed timeframe and to required standards, without waste of materials or damage to apparatus, circuits, and the surrounding environment or services using sustainable energy principles
 - 2.6 WHS/OHS risks and incidents are reported to the authorised person/s for directions in accordance with workplace procedures
 - 2.7 Unplanned events are referred to relevant person/s for directions in accordance with workplace procedures
 - 2.8 Remedial action associated with the access for pipeline construction is dealt with in accordance with industry standards and workplace procedures
 - 2.9 Quality and safety checks of the work are undertaken in accordance with job instructions, industry standards and workplace procedures
- 3 Complete work activities and relevant documentation**
- 3.1 WHS/OHS risk control measures for work completion are followed
 - 3.2 Work site is rehabilitated, cleaned up and made safe in accordance 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 UEGNSG331A Establish right of way access for transmission pipeline construction.

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 UEGNSG331 Establish right of way access for transmission pipeline construction

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:

- following work health and safety (WHS)/occupational health and safety (OHS), environmental and cultural legislative and regulatory requirements
- abiding by restrictions of the right of way and access
- selecting and operating correct equipment for ground conditions
- dealing with unplanned events
- preparing to establish right of way access for transmission pipeline construction
- establishing right of way access for transmission pipeline construction
- completing work activities and relevant documentation
- applying relevant work health and safety (WHS)/occupational health and safety (OHS) requirements
- applying relevant industry standards, guidelines, legislation, codes of practice and regulations
- applying sustainable energy and environmental principles and practices
- obtaining job requirements, work instructions, safety plans and work schedules
- obtaining and interpreting topographical and geographical maps
- following workplace policies and procedures
- identifying and checking tools, equipment, plant and personal protective equipment (PPE) for correct operation and safety
- obtaining and interpreting relevant plans, drawings, diagrams and schedules
- referring third-party issues
- following manufacturer instructions
- undertaking hazardous activities in a safe manner
- cordoning off work site for construction of easements
- rehabilitating and maintaining a clean and safe work site
- taking appropriate remedial action for pipeline access
- performing quality and safety checks
- cleaning and storing tools, equipment and measuring devices.

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:

- relevant industry standards, guidelines, legislation, codes of practice and regulations
- relevant workplace policies and procedures
- right of way access for transmission pipeline construction
- relevant safety hazards and mitigation measures, including:
 - vehicles in rough terrain
 - natural emergencies – e.g. bushfires
 - fauna control – e.g. snakes and ticks
 - environmental and cultural hazards
 - PPE and safety data sheets (SDS)
 - working in confined spaces, excavations, trenches or aloft
- relevant manufacturer instructions
- relevant safe work method statements (SWMS)/job safety assessments or risk mitigation processes
- relevant WHS/OHS legislated requirements
- relevant workplace documentation
- sustainable energy and environment principles and practices
- right of way access for easements
- techniques to read and interpret maps
- relevant work permits/authorisations
- relevant tools, equipment and PPE
- relevant materials, plans, diagrams, drawings and resources
- effective communication techniques
- problem-solving techniques
- first aid, emergency and safety procedures for incidents
- third-party issues
- site preparation, safety plans job requirements and work schedules
- hazards and hazardous activities in the workplace
- quality and safety checks
- techniques to minimise waste
- remedial actions with access for pipeline easements
- work site rehabilitation procedures.

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.

Links

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