



Australian Government

UEGNSG308 Identify, evaluate and control threats to transmission pipelines

Release: 1

UEGNSG308 Identify, evaluate and control threats to transmission pipelines

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 identify, evaluate and control threats to the integrity of transmission pipelines.

It includes using relevant tools, equipment and personal protective equipment (PPE), and interpreting technical drawings and plans in accordance with workplace procedures, industry standards, guidelines, codes of practice and regulations.

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

Pre-requisite Unit

Not applicable.

Competency Field

Gas Transmission

Unit Sector

Gas Industry

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

1 Plan to identify and evaluate control threats to a transmission pipeline

PERFORMANCE CRITERIA

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

1.1 Work schedules and relevant drawings, plans, materials and equipment are examined to determine the extent of required work preparation in accordance with workplace procedures

- 1.2 Work is prioritised and sequenced for completion within acceptable timeframes following consultation with relevant person/s and authorities in accordance with workplace procedures
 - 1.3 Hazards are identified, work health and safety (WHS)/occupational health and safety (OHS) risks are assessed and control measures prioritised, implemented and monitored in accordance with workplace procedures
 - 1.4 Job requirements and workplace procedures for the work are obtained for all work sites and communicated to relevant person/s in accordance with workplace procedures
 - 1.5 WHS/OHS, environmental and sustainable energy policies and procedures related to the work are identified, obtained and applied to ensure safe systems of work are followed
 - 1.6 Relevant work permit/s are obtained to coordinate and perform work in accordance with regulatory requirements and workplace procedures
 - 1.7 Persons, equipment, tools and personal protective equipment (PPE) required for the job are identified, scheduled, obtained and checked for correct operation and safety in accordance with workplace procedures
 - 1.8 Communication issues with relevant stakeholders and authorities are resolved and work coordinated in accordance with work schedule and workplace procedures
 - 1.9 Person/s participating in the work are briefed and responsibilities coordinated and authorised, as required, in accordance with workplace procedures
- 2 **Carry out the identification, evaluation and control of threats to transmission pipelines**
 - 2.1 WHS/OHS risk control measures and policies and procedures are followed in accordance with workplace procedures
 - 2.2 Transmission pipelines are evaluated and information analysed to identify key issues and threats in accordance with workplace procedures
 - 2.3 Hazardous activities are conducted safely in accordance with regulatory requirements and workplace procedures

- 2.4 Equipment and pipeline are inspected and tested, and faults identified in accordance with work schedule, job requirements and workplace procedures
 - 2.5 Hazard warnings and safety signs are recognised, WHS/OHS risks assessed and reported to authorised person/s for directions in accordance with workplace procedures
 - 2.6 Negotiation with third parties concerning the pipeline threat are carried out to ensure the pipeline can be accessed and monitored in accordance with workplace procedures and requirements
 - 2.7 Fault-finding and troubleshooting techniques are applied to identify any repairs or maintenance required in accordance with job requirements and workplace procedures
 - 2.8 Work is undertaken to ensure completion in agreed timeframe and to industry standards with a minimum of waste in accordance with job requirements and workplace procedures
 - 2.9 Unplanned events and non-routine problems are identified and actioned in accordance with requirements and workplace procedures
 - 2.10 Quality and safety checks of the work are conducted in accordance with job requirements, workplace procedures and community and industry standards
- 3 Review, record and report on threats to a transmission pipeline**
- 3.1 Work undertaken is checked against works schedule for conformance and anomalies and proposed solutions reported to relevant person/s in accordance with workplace procedures
 - 3.2 Accidents and injuries are reported and followed up, as required, in accordance with workplace procedures
 - 3.3 Work site is rehabilitated/cleaned up and confirmed safe in accordance with workplace procedures
 - 3.4 Tools, equipment and any surplus resources and materials are cleaned, checked and returned to storage in accordance with workplace procedures
 - 3.5 Relevant work permit/s are signed off in accordance with job and regulatory requirements

- 3.6** Work completion records, reports, documentation and as installed/modified drawing/s are completed, processed and the appropriate person/s notified 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 UEGNSG308B Identify, evaluate and control threats to transmission pipelines.

Links

Companion Volume Implementation Guides are found in VETNet -
<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=6a6c032e-ffcb-4f3d-8063-415efbd261e8>