



**Australian Government**

# **UEGNSG303 Carry out transmission pipeline construction work activities**

**Release: 1**

# UEGNSG303 Carry out transmission pipeline construction work activities

## 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 carry out and complete gas transmission pipeline construction work activities, in accordance with relevant legislation, industry standards, codes of practice and environmental, safety and workplace procedures.

It includes working in a gas transmission construction environment, using the correct tools and equipment to conduct the activities and completing workplace documentation.

Pipeline construction work may include slinging, welding, trenching, shoring, hydro testing, pipeline coating and coating testing, cathodic protection components and directional drilling.

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.

### PERFORMANCE CRITERIA

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

**1 Prepare to carry out transmission pipeline construction work activities**

- 1.1** Work health and safety (WHS)/occupational health and safety (OHS) workplace policies and procedures for the site are identified 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** Environmental and sustainable energy policies and procedures are obtained and applied
- 1.4** Hazards are identified, risks are assessed and control measures prioritised, implemented and monitored in accordance with workplace procedures
- 1.5** 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
- 1.6** Equipment, plant, tools and personal protective equipment (PPE) required for the transmission pipeline construction work are identified, scheduled, obtained and checked for correct operation and safety in accordance with workplace procedures
- 1.7** Relevant person/s are identified and consulted to ensure the work is coordinated effectively and safely in accordance with WHS/OHS requirements and workplace procedures
- 1.8** Materials, plans, diagrams, drawings, safety data sheets (SDS) and resources required for the transmission work activity are confirmed, scheduled and obtained in accordance with workplace procedures
- 1.9** Site preparation, safety plans and work schedules are confirmed with relevant person/s in accordance with workplace procedures

**2 Carry out transmission pipeline construction work activity**

- 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

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|                                                                        | <p>2.3 Hazardous activities are conducted safely in accordance with WHS/OHS workplace procedures and job instructions</p> <p>2.4 Transmission pipeline construction is carried out to the required standard without waste of materials or damage to apparatus, circuits, the surrounding environment or services using sustainable energy principles</p> <p>2.5 WHS/OHS risks and incidents are reported to authorised person/s for directions in accordance with workplace procedures</p> <p>2.6 Unplanned events are referred to authorised person/s for directions in accordance with workplace procedures</p> <p>2.7 Quality and safety checks of work are carried out in accordance with work instructions and workplace procedures</p> |
| <p><b>3 Complete transmission pipeline construction activities</b></p> | <p>3.1 WHS/OHS risk control measures for work completion are followed</p> <p>3.2 Work site is tidied and made safe in accordance with workplace procedures</p> <p>3.3 Tools, equipment and any surplus resources and materials are cleaned, checked and securely stored in accordance with workplace procedures</p> <p>3.4 Appropriate person/s are notified of work completion in accordance with workplace procedures</p> <p>3.5 Documentation is completed accurately and provided to relevant person/s in accordance with workplace procedures</p>                                                                                                                                                                                       |

## 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.

tools and equipment must include at least six (6) of the following:

- general concrete mixer
- general vacuum cleaner
- general trolley
- non-pressurised pumps and hoses
- wheelbarrows
- traffic barriers
- extra low voltage lighting equipment
- hand held tools
- holiday detection equipment
- power tools
- pressurised pumps and hoses
- tru bend
- hand wrapping machines

## Unit Mapping Information

This unit replaces and is equivalent to UEGNSG136 Carry out transmission pipeline construction work activities.

## Links

Companion Volume Implementation Guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=6a6c032e-ffcb-4f3d-8063-415efbd261e8>