



**Australian Government**

# **UEGNSG055 Launch and recover PIGs in a gas distribution pipeline**

**Release: 1**

# UEGNSG055 Launch and recover PIGs in a gas distribution pipeline

## 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 launch and recover pipeline inspection gauges (PIGs) in gas distribution pipelines to ensure the pipeline is clean and dry with no obstructions prior to commissioning.

It includes inspecting, launching and recovering PIGs and PIG traps in accordance with manufacturer requirements and documenting relevant outcomes.

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

## Pre-requisite Unit

Not applicable.

## Competency Field

Gas Distribution

## Unit Sector

Gas Industry

## Elements and Performance Criteria

### ELEMENTS

Elements describe the essential outcomes.

#### **1 Prepare and plan for pigging gas distribution pipelines**

### 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 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
  - 1.8 Site, PIG, PIG trap and pipeline are prepared to minimise risk and damage to property, commerce and individuals in accordance with workplace procedures
  - 1.9 Road signs, barriers and warning devices are positioned in accordance with job requirements, workplace procedures and traffic management plan
- 2 Launch and recover gas distribution pipeline PIGs**
- 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
  - 2.4 Launch and recovery of gas distribution pipeline PIG is carried out in accordance with work schedule and workplace procedures
  - 2.5 Work is completed within agreed timeframe and to industry standards in accordance with job requirements

- and workplace procedures
- 2.6 Relevant data/results from distribution pipeline pigging operations is gathered/retrieved and analysed to determine internal pipeline conditions in accordance with workplace procedures
  - 2.7 Testing and inspecting of pipeline and pigging equipment is conducted in accordance with job requirements and workplace procedures
  - 2.8 Alarms, codes and hazard warnings are correctly recognised, and the correct response strategy is selected and applied in accordance with workplace procedures
  - 2.9 Faults and operational conditions of the components are identified, repaired or replaced, and reported in accordance with organisational job requirements
  - 2.10 Unplanned events are referred to the relevant person/s for directions in accordance with workplace procedures
- 3 Re-establish distribution pipeline to operational condition, and complete work and relevant documentation**
- 3.1 Workplace safety risk control measures for work completion are followed
  - 3.2 Retrieved PIG is inspected to determine the wear sustained to the PIG, material is checked against works schedule for conformance and anomalies reported in accordance with workplace procedures
  - 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 UEGNSG217 Launch and recover PIGs in a gas distribution pipeline.

## Links

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