



**Australian Government**

# **UEGNSG224 Construct and lay copper and stainless steel gas distribution pipelines**

**Release: 1**

# UEGNSG224 Construct and lay copper and stainless steel gas distribution 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 construct and lay copper and stainless steel gas distribution pipeline and services up to 20 mm diameter, and install the meter connection to the services users.

It includes the use of relevant tools and equipment, completing necessary documentation, working safely in accordance with workplace procedures, and complying with relevant legislative, standard and code requirements.

This unit excludes welding of stainless steel pipe work.

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 to construct copper and stainless steel**

### 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**

- gas distribution pipelines** measures 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** WHS/OHS, environmental and sustainable energy policies and procedures are obtained and applied in accordance with workplace procedures
  - 1.4** Hazards are identified, risks are assessed and control measures prioritised, implemented and monitored in accordance with workplace procedures
  - 1.5** Level 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
  - 1.6** Equipment, plant, tools and personal protective equipment (PPE) required to construct copper and stainless steel gas pipelines and services are identified, obtained and checked for operation and safety in accordance with workplace procedures
  - 1.7** Relevant person/s are consulted to ensure the work is coordinated effectively with others involved
  - 1.8** Materials, plans, diagrams, drawings and resources required to construct gas pipelines are confirmed, scheduled and obtained in accordance with workplace procedures
  - 1.9** Safety and emergency procedures for an incident at the work site are checked and confirmed
  - 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 Construct copper and stainless steel gas distribution pipelines**
- 2.1** WHS/OHS and environmental risk control measures, schedule of work and workplace procedures for carrying out work are followed
  - 2.2** Materials, tools, equipment and measuring devices required for work activities 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 Construction of copper and stainless steel gas pipelines and services are conducted in accordance with industry standards and workplace procedures
  - 2.5 Work is carried out to the required standard, without waste of materials or damage to apparatus, equipment, and the surrounding environment or services using sustainable energy principles
  - 2.6 WHS/OHS risks, incidents and accidents are reported to authorised person/s for directions in accordance with workplace procedures
  - 2.7 Unplanned events are referred to authorised person/s for directions in accordance with workplace procedures
  - 2.8 Quality and safety checks of work, including testing of pipework are carried out in accordance with work instructions
- 3 Complete the work and relevant documentation**
- 3.1 WHS/OHS and environmental risk control measures for work completion are followed
  - 3.2 Relevant person/s are notified of work completion 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 Work site is tidied and made safe in accordance with workplace procedures
  - 3.5 Work documentation is completed 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.

competency must include the following:

- constructing copper and stainless steel gas distribution pipelines and services up to 20 mm diameter
- cutting pipes, joining pipes and fittings
- installing the meter connection to the service riser, upstands, above ground services and response lines.

## Unit Mapping Information

This unit replaces and is equivalent to UEGNSG224A Construct and lay copper and stainless steel gas distribution pipelines.

## Links

Companion Volume Implementation Guides are found in VETNet -

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