



Australian Government

UEGNSG042 Pressure test residential and small commercial gas installations

Release: 1

UEGNSG042 Pressure test residential and small commercial gas installations

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 pressure test residential and small commercial gas installations and associated components by a designated gas industry person in accordance with industry standards, regulations and workplace procedures.

It includes using tools and testing equipment to pressure test the customer piping system, associated fittings and components, and completing required records and relevant documentation.

The application of the skills and knowledge described in this unit may require a licence or permit to practice 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

Support Services

Unit Sector

Gas Industry

Elements and Performance Criteria

ELEMENTS

PERFORMANCE CRITERIA

Elements describe the essential outcomes.

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

1 Prepare to pressure test

1.1

Workplace safety, environmental and sustainable energy practices for the site are identified, obtained

gas installation		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
2 Carry out pressure test of gas installation	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
	2.3	Pressure test of the gas installation is undertaken using relevant pressure testing equipment in accordance with workplace procedures and regulatory requirements
	2.4	Results of pressure test are analysed, and non-compliant installations are disconnected in accordance with workplace procedures, industry standards and regulatory requirements
	2.5	Work is completed within agreed timeframe and to industry standards in accordance with job

		requirements and workplace procedures
	2.6	Unplanned events are referred to the relevant person/s for directions in accordance with workplace procedures
3	Complete pressure test and relevant documentation	
	3.1	Workplace safety risk control measures for work completion are followed
	3.2	Quality and safety checks of the work are conducted in accordance with job requirements, workplace procedures and community and industry standards
	3.3	Worksite is cleaned, reinstated and made safe in accordance with workplace procedures
	3.4	Tools, equipment and any surplus resources/materials are cleaned, checked and securely stored in accordance with workplace procedures
	3.5	Incidents are reported and followed up as required in accordance with workplace procedures
	3.6	Relevant person/s is notified of work completion in accordance with workplace procedures
	3.7	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 UEGNSG708 Pressure test residential and small

commercial gas installations.

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 UEGNSG042 Pressure test residential and small commercial gas installations

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:

- advising stakeholders of potentially dangerous or non-conforming installations
- analysing results of tests
- applying environmental and sustainable energy principles and practices
- applying problem-solving techniques
- applying relevant workplace safety requirements, including:
 - identifying and reporting hazards
 - implementing risk control measures
 - selecting and using relevant personal protective equipment (PPE)
- applying relevant industry standards, guidelines, codes of practice and regulations
- carrying out pressure test of gas installation
- communicating effectively with relevant personnel and customers
- completing pressure test
- completing records and documentation
- conducting conformance tests
- dealing with unplanned events/situations in accordance with workplace procedures in a manner that minimises risk to personnel and equipment
- disconnecting non-compliant installations
- following manufacturer instructions
- following work schedules and job requirements
- following workplace policies and procedures
- maintaining a clean and safe worksite
- minimising waste
- obtaining relevant resources and materials to conduct the work
- performing quality, safety and final checks
- preparing to pressure test gas installation
- using pressure testing tools and equipment to test residential and small commercial gas installations
- working within agreed timeframes or conditions.

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:

- client issues
- communication skills to liaise with internal and external person/s
- conformance tests
- documentation and reporting requirements
- piping systems and components
- pressure testing of gas installation to industry standards
- problem-solving techniques
- quality, safety and final checks
- relevant manufacturer instructions
- relevant materials, tools, equipment and devices
- relevant permits required
- relevant industry standards, legislations, guidelines, codes of practice and regulations
- relevant workplace safety requirements, including:
 - legislated work health and safety (WHS)/occupational health and safety (OHS) requirements
 - legislated industry/technical specific requirements
 - workplace safety procedures
 - manufacturer requirements
 - safety requirements for entering domestic and commercial customer sites
- relevant safe work method statements (SWMS)/job safety analysis (JSA) or risk mitigation processes
- relevant workplace documentation
- relevant workplace policies and procedures
- site preparation, work schedules, safety plans and job requirements
- small commercial gas installations and components
- techniques to minimise waste.

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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