

<b>Title</b>	<b>Demonstrate knowledge of legislation, regulation and documentation relating to gas industry operations</b>		
<b>Level</b>	<b>5</b>	<b>Credits</b>	<b>10</b>

<b>Purpose</b>	People credited with this unit standard are able to: demonstrate knowledge of documentation relating to gas industry operations; demonstrate knowledge of legislation and standards relating to gas industry operations; demonstrate knowledge of the regulatory framework in the gas industry; and relate legislation and documentation to gas network and system operations.
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<b>Classification</b>	Gas Industry > Gas Network Operations
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<b>Available grade</b>	Achieved
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### Guidance Information

- 1 This unit standard is intended for, but not limited to, workplace assessment. The range statements relate to enterprise specific equipment, procedures, and processes.
- 2 Evidence presented for assessment against this unit standard must be consistent with safe working practices and be in accordance with applicable manufacturer's specifications, company procedures and legislative requirements.
- 3 Performance of the outcomes of this unit standard must comply with the following:
  - Consumer Guarantees Act 1993;
  - Fair Trading Act 1986;
  - Gas Act 1992;
  - Health and Safety at Work Act 2015;
  - Plumbers, Gasfitters, and Drainlayers Act 2006;
  - Resource Management Act 1991;
  - Gas (Safety and Measurement) Regulations 2010;
  - Health and Safety in Employment Regulations 1995;
  - Health and Safety in Employment (Pipelines) Regulations 1999;
  - AS/NZS 4645.1:2008 *Gas distribution networks – Network management*;
  - AS/NZS 4645.2:2008 *Gas distribution networks – Steel pipe systems*;
  - AS/NZS 4645.3:2008 *Gas distribution networks – Plastic pipe systems*;
  - AS 2885.1-2012 *Pipelines – Gas and liquid petroleum Design and construction*;
  - AS 2885.3-2012 *Pipelines – Gas and liquid petroleum Operation and maintenance*;
  - NZS 7901:2014 *Electricity and gas industries – Safety management systems for public safety*.

#### 4 References

Australian standards (AS) may be found at [www.standards.org.au](http://www.standards.org.au);  
 Australian/New Zealand standards (AS/NZS) may be found at [www.standards.govt.nz](http://www.standards.govt.nz);  
 New Zealand standards (NZS) may be found at [www.standards.govt.nz](http://www.standards.govt.nz).

5 Any new, amended or replacement Acts, regulations, standards, codes of practice, guidelines, or authority requirements or conditions affecting this unit standard will take precedence for assessment purposes, pending review of this unit standard.

6 Information on the New Zealand gas industry is available on the following websites:

- Gas New Zealand, [www.gasnz.org.nz](http://www.gasnz.org.nz)
- Commerce Commission, [www.comcom.govt.nz/](http://www.comcom.govt.nz/)
- Ministry of Business, Innovation and Employment, [www.mbie.govt.nz/](http://www.mbie.govt.nz/)
- Gas Industry Company Limited, [www.gasindustry.co.nz/](http://www.gasindustry.co.nz/)
- Energy Safety [www.energysafety.govt.nz/](http://www.energysafety.govt.nz/)
- Worksafe New Zealand [www.business.govt.nz/worksafe/](http://www.business.govt.nz/worksafe/).

#### 7 Definitions

*Company procedures* mean the documented methods for performing work activities, and include health and safety, operational, environmental, and quality management requirements. They may refer to legislation, regulations, guidelines, standard operating procedures, manuals, codes of practice, or policy statements.

*IGEM (Institution of Gas Engineers & Managers)* is a chartered professional body, licensed by the Engineering Council, serving a wide range of professionals in the UK and the international gas industry through Membership, events and a comprehensive set of Technical Standards.

## Outcomes and performance criteria

### Outcome 1

Demonstrate knowledge of documentation and systems relating to gas industry operations.

### Performance criteria

1.1 Company document storage systems are identified and explained in terms of access and availability.

Range paper based, electronic.

1.2 The function of company documentation relevant to network operations is explained.

Range may include – operating manuals, training manuals, vendor information, procedures, operation reports, logs, drawings and plans, local authority specifications, quality systems documents, emergency procedures, contract documents.

- 1.3 Safety management systems and their use in the day-to-day activities of a gas industry operation are explained.
- 1.4 Asset management systems and their use in the day-to-day activities of a gas industry operation are explained.
- 1.5 Methods of issuing and controlling company documentation are explained.

## Outcome 2

Demonstrate knowledge of legislation and standards relating to gas industry operations.

### Performance criteria

- 2.1 Key legislation and regulations are interpreted to identify mandatory requirements and their impact on gas industry operations.
- Range includes but not limited to – Gas Act, Gas (Safety and Measurement) Regulations, Health and Safety at Work Act.
- 2.2 Legislation and regulations not specific to the gas industry are identified, and interpreted to identify their impact on gas industry operations and activities.
- Range may include – Resource Management Act; Consumer Guarantees Act; Fair Trading Act; Plumbers, Gasfitters and Drainlayers Act.
- 2.3 Industry standards are identified and interpreted to identify mandatory requirements and their impact on gas industry operations.
- Range may include – AS, AS/NZS, NZS, IGEM.
- 2.4 Requirements for gas network operations are interpreted to identify current industry best practice.
- Range includes but not limited to – industry codes of practice, gas industry protocols, manufacturers' specifications.

## Outcome 3

Demonstrate knowledge of the regulatory framework in the gas industry.

### Performance criteria

- 3.1 The purpose of regulation within an industry is explained.
- 3.2 Gas industry regulators are identified and the roles and functions of these regulators are explained.
- 3.3 The effects of regulation on gas industry operations and activities are explained.

**Outcome 4**

Relate legislation and documentation to gas network system design and operation.

**Performance criteria**

4.1 Current gas network operations and processes are assessed in relation to legislative and documented requirements for system design and operation.

Range pressures, loads, equipment specifications, operations and maintenance activities;  
includes but not limited to – safety management system, asset management system.

<b>Planned review date</b>	31 December 2022
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**Status information and last date for assessment for superseded versions**

Process	Version	Date	Last Date for Assessment
Registration	1	19 November 1997	31 December 2018
Revision	2	3 August 2000	31 December 2018
Revision	3	22 May 2001	31 December 2018
Review	4	22 October 2002	31 December 2018
Review	5	20 November 2006	31 December 2018
Review	6	17 August 2017	N/A

<b>Consent and Moderation Requirements (CMR) reference</b>	0014
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

**Comments on this unit standard**

Please contact MITO New Zealand Incorporated [info@mito.org.nz](mailto:info@mito.org.nz) if you wish to suggest changes to the content of this unit standard.