

Title	Demonstrate knowledge of safety requirements in gasfitting		
Level	3	Credits	4

Purpose	<p>This unit standard is for people who work in the gasfitting industry.</p> <p>People credited with this unit standard are able to demonstrate knowledge of:</p> <ul style="list-style-type: none"> – the recognition and reporting of unsafe situations or incidents; – gas hazards and safety precautions; – procedures in relation to gasfitting accidents or other incidents; – reporting gasfitting accidents or other incidents; and – making defective gas equipment safe.
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Classification	Plumbing, Gasfitting and Drainlaying > Gasfitting
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Available grade	Achieved
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Guidance Information

- 1 References
 Building Act 2004;
 Health and Safety at Work Act 2015;
 Gas Act 1992;
 Gas (Safety and Measurement) Regulations 2010;
 The following standard, which is available at <http://www.standards.govt.nz>:
 AS/NZS 5601.1:2013 *Gas installation*;
 The following clause, and any related compliance documents, which are available at <https://www.building.govt.nz/>:
 New Zealand Building Code Clause G11 Gas as an Energy Source;
 and all subsequent amendments and replacements.
- 2 Candidates must hold a current limited certificate or exemption under supervision as issued under the Plumbers, Gasfitters, and Drainlayers Act 2006.

Outcomes and performance criteria

Outcome 1

Demonstrate knowledge of the recognition and reporting of unsafe situations or incidents.

Range faulty appliances, installations, leaking gas, potential gas fire or explosion, carbon monoxide.

Performance criteria

- 1.1 Explain situations or methods that can identify unsafe situations in gasfitting.
- 1.2 Explain warning and reporting procedures of unsafe situations in the workplace in accordance with relevant legislation, standards, and codes.
- 1.3 Explain reporting requirements of the Gas (Safety and Measurement) Regulations 2010.

Range immediately unsafe, deemed to be unsafe.

Outcome 2

Demonstrate knowledge of gas hazards and safety precautions.

Performance criteria

- 2.1 Explain the potential hazards arising from uncontained gas.

Range fire, explosion, asphyxiation.
- 2.2 Identify sources of ignition.
- 2.3 Explain potential hazards arising from carbon monoxide poisoning.
- 2.4 Explain safety precautions and procedures for the control of gas hazards in accordance with relevant legislation, standards, and codes.
- 2.5 Describe the signs of a person being gas affected.
- 2.6 Describe common requirements for the safe handling of gas and associated equipment

Outcome 3

Demonstrate knowledge of procedures in relation to gasfitting accidents or other incidents.

Performance criteria

- 3.1 Explain typical site evacuation procedures in accordance with relevant legislation and codes.
- 3.2 Explain safety and/or gas supply isolating procedures in accordance with relevant legislation and codes.
- 3.3 Identify gas detection equipment and fire extinguishers as suitable for use with gas accidents or other incidents, in terms of the gas type.
- 3.4 Explain procedures for saving evidence in accordance with relevant legislation and codes.

- 3.5 Explain accident or incident site security procedures for non-interference in accordance with relevant legislation and codes.

Outcome 4

Demonstrate knowledge of reporting gasfitting accidents or other incidents.

Performance criteria

- 4.1 Identify the types of gasfitting accidents or other incidents that must be reported in accordance with relevant legislation and codes.
- 4.2 Explain the procedures, and details of reporting of gasfitting accidents or other incidents in accordance with relevant legislation and codes.

Range place, time, and date of accident or other incident; description of the accident or other incident; any injuries, damage, and losses resulting from accident or other incident; other possible factors; time frame for reporting, parties involved.

Outcome 5

Demonstrate knowledge of making defective gas equipment safe.

Performance criteria

- 5.1 Explain procedures for making defective gas equipment safe in accordance with relevant legislation, standards, and codes.

Range danger and warning labels are displayed, equipment is isolated from gas supply.

- 5.2 Explain procedures for the placement and removal of warning notices in accordance with the Gas (Safety and Measurement) Regulations 2010.

Planned review date	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	25 October 2007	31 December 2022
Review	2	23 November 2017	N/A

Consent and Moderation Requirements (CMR) reference	0003
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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 The Skills Organisation reviewcomments@skills.org.nz if you wish to suggest changes to the content of this unit standard.