

Title	Install and maintain gas control and safety devices		
Level	4	Credits	5

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:</p> <ul style="list-style-type: none"> – identify and install gas control and safety devices; and – maintain gas control and safety devices.
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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;
 Electricity Act 1992;
 Gas Act 1992;
 Gas (Safety and Measurement) Regulations 2010;
 Health and Safety at Work Act 2015;
 Plumbers, Gasfitters, and Drainlayers Act 2006;
 Plumbers, Gasfitters, and Drainlayers Regulations 2010;
 The following standard, which is available at <http://www.standards.govt.nz>:
 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 This unit standard applies to gas control devices used in gas installations between the point of supply and the appliance.
- 3 Range
 Control and safety devices include but are not limited to – regulators, pressure-raising devices, under and over pressure cut offs, valves, solenoids, excess-flow valves, filters.
- 4 Credit for this unit standard does not entitle the candidate to legally perform certain electrical aspects of this work unless registered or supervised by a registered person under the provisions of the Electricity Act 1992.
- 5 This unit standard requires the application of theory as included in the Plumbers, Gasfitters, and Drainlayers Regulations 2010.

- 6 Candidates must hold a current limited certificate or exemption under supervision as issued under the Plumbers, Gasfitters, and Drainlayers Act 2006.
- 7 **Definitions**
Job specifications – instructions (oral, written, graphic) and may include any of the following: manufacturer instructions; design drawing detail specifications; specifications from a specialist source such as an architect, designer, engineer, or a supervisor; and site or work specific requirements. Where job specifications are in conflict with applicable legislation, standards, and/or codes, such legislation, standards, and/or codes shall take precedence for the purpose of assessment.
Maintain may refer to all or any of – repair, upgrade, alter, remove, replace.
- 8 All practical activities are to be carried out in a way that avoids harm to people and damage to property, existing installed services, materials, tools, and equipment.

Outcomes and performance criteria

Outcome 1

Identify and install gas control and safety devices.

Performance criteria

- 1.1 Identify control and safety devices in accordance with job specifications.
- 1.2 Connect gas control and safety devices to connection and termination points in accordance with job specifications.
- 1.3 Secure and protect gas control and safety devices in accordance with job specifications.
- 1.4 Test, purge, and commission gas control and safety devices in accordance with job specifications and relevant standards and codes.

Outcome 2

Maintain gas control and safety devices.

Range regulators, pressure cut offs, pressure relief devices, isolating valves, solenoids, excess-flow valves, filters.

Performance criteria

- 2.1 Identify faults in terms of the nature of the fault and possible means of rectification.
- 2.2 Rectify faults in accordance with maintenance requirements.
- 2.3 Retest, purge, and commission gas control and safety devices in accordance with maintenance requirements and relevant standards and codes.

Replacement information	<p>This unit standard was replaced by unit standards 33413 and 33415.</p> <p>This unit standard and unit standard 30713 replaced unit standard 21898.</p>
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This unit standard is expiring. Assessment against the standard must take place by the last date for assessment set out below.

Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	23 November 2017	31 December 2028
Review	2	25 July 2024	31 December 2028

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>.