

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	This unit standard and unit standard 30713 replaced unit standard 21898.
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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	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.