

9193 Gasfitter registration examination guide

This guide contains information about the 9193 Gasfitter registration exam. See our [website](#) for all exam information and forms.

About the exam

- This is a Board exam which is managed by Aspeq. For any changes to your exam please contact [Aspeq](#) directly.
- The exam is electronic with all questions presented electronically.
- You are expected to answer examination questions in accordance with the Acts, Regulations and Codes outlined in this document
- The pass mark is 60%.

Exam purpose

An exam pass is one of requirements for registration as a gasfitter under the [Plumbers, Gasfitters and Drainlayers Act 2006](#) ("the Act").

Sitting the exam

The Boards tradesman exams are completed on a computer at a testing centre. See [Aspeq's](#) venue locations.

The exam is open book

The following resources will be provided to candidates when sitting the exam:

- AS/NZS 5601.1 Gas installations – General installations
- AS/NZS 5601.2 LP Gas installations in caravans and boats for non-propulsive purposes

Candidates can refer to these documents when answering the questions. These documents are provided in PDF format only. Candidates can apply for a hardcopy of the resources, by applying for [special assessment conditions](#).

By providing candidates with resources, we aim to assess the candidate's ability to use and apply codes and standards, as well as their knowledge of the regulatory environment related to gasfitting work.

While no specific weighting is given to assessing this ability and knowledge within the exam, candidates should be aware that questions may be asked to cover this aspect outside the outlined topics referred to on the weightings table on **page 4**.

What is in the exam

Your exam will be generated randomly. It will have different questions than others sitting the exam.

There will be a range of question types for the computer-based questions including:

- multiple choice/single choice (one correct answer from a range of possible answers)
- inline (select a word/phase to complete a statement)
- numerical
- multi-select (select the number of correct answer options).

This list covers what type of questions may be in your exam.

Workplace responsibilities and workplace safety

- Limitations on persons who do, or assist in doing, gasfitting work
- Site safety, electrical safety, personal and public safety.
- Safety practices relating to confined spaces, heights, and excavations
- Safety practices relating to the handling of materials, electricity, gas, and tools
- Considerations related to building structure preservation and weather tightness when installing and/or maintaining plumbing pipework and fixtures

Materials and gases relating to gasfitting work

- Materials used in gasfitting work
- Properties and characteristics of materials, including limitations in their usage
- Handling methods
- Corrosion protection
- Jointing methods
- Types, uses, characteristics, composition, safe storage, and safe handling of fuel gases.

Gasfitting systems

- Installation, testing, commissioning, fault-finding, and maintenance of gasfitting systems
- Interpreting plans and specifications
- Gas supply pipework, service lines, meters, and regulator systems
- Testing, purging commissioning and decommissioning of gasfitting installations and/or its components
- Gas-fired appliances and equipment
- Domestic and non-domestic air and water heating
- Control and testing devices
- Safety devices
- Ventilation and flueing
- Calculations and trade science principles related to gasfitting systems

Legislation relevant to the exam

The following legislation and compliance documents contain some requirements relevant to the exam:

- [The Building Act 2004](#)
- [Plumbers, Gasfitters, and Drainlayers Act 2006](#)
- [Plumbers, Gasfitters and Drainlayers Regulations 2010](#)
- [Plumbers, Gasfitters, and Drainlayers Board \(Gasfitting Registration and Licensing\) Notice 2016](#)
- [Health and Safety at Work Act 2015](#)
- [Gas Act 1992](#)
- [Gas \(Safety & Measurement\) Regulations 2010](#)

The legislation can be downloaded free [here](#).

The Building Code and Compliance Documents:

- [New Zealand Building Code Handbook](#)
- B2: Durability
- E2: External Moisture
- G4: Ventilation
- G10: Piped Services
- G11: Gas as an energy source

The Building Code and Compliance Documents can be downloaded free [here](#).

Standards relevant to the exam

The following standards contain information relevant to this exam:

- AS/NZS 5601.1:2013 Gas installations – General installations
- AS/NZS 5601.2:2013 LP Gas installations in caravans and boats for non-propulsive purposes
- NZS 5266:2014 Safety of gas appliances
- NZS 5255:2014 Safety verification of gas appliances
- AS/NZS 1596:2014 The storage and handling of LP Gas
- 3604:2011 Timber Framed Buildings – Holes and checks in studs, plates, and joists.

Note: Some of these standards are available through the Plumbers, Gasfitters and Drainlayers Board [trade login](#). These standards are only available if you hold a current authorisation or practising licence. If you do not have access to certain standards, they can be purchased from [Standards NZ](#).

Weighting of the exam

1.	Workplace responsibilities and workplace safety	10
2.	Materials and gases in gasfitting work	15
3.	Gasfitting systems	75
	Total marks	100
This weighting schedule is a recommendation and guide for tutors, examiners, moderators, and candidates. It gives an approximate allocation of the emphasis given to topics in the examination.		