

9195 Certifying Plumber examination guide

This guide contains information about the 9195 certifying plumber examination. 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. 75% of the questions will be electronically answered, and 25% will need to be answered on a paper exam sheet.
- You are expected to answer examination questions in accordance with the Acts, Regulations and Codes in force at 1 January of the calendar year of the examination.
- The pass mark is 60%.

Exam purpose

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

Sitting the exam

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

The exam is open book

You will be provided electronic resources that you can refer to during your exam. These documents are provided in PDF format only. Candidates can apply for a hardcopy of the resources, by applying for [special assessment conditions](#).

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

1. G12: Water supplies
2. G13: Foul Water
3. AS/NZS 3500 Part 1
4. AS/NZS 3500 Part 2
5. E2 External Moisture
6. G1 Personal Hygiene

By providing these documents, we aim to assess a candidates' ability to use and apply codes and standards, as well as their knowledge of the regulatory environment related to plumbing 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).

The paper-based questions will require the candidate to draw, design or fill in answers on a diagram, much like the current exam.

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

Responsibilities and considerations relating to managing health and safety and relating to the oversight and/or supervision of persons who do, or assist in doing, restricted work.

- a. Considerations and responsibilities under Health and safety in employment Act and Regulations.
- b. Health and safety systems.
- c. Preparation of safety plan.
- d. Incident and accident reporting.
- e. Oversight and supervision of persons carrying out restricted work.
- f. Considerations and responsibilities related to excavations.
- g. Notifiable work, scope, and related requirements.

Responsibilities and considerations regarding building services integration and site management.

- a. Considerations and management of the effect on structures and sites following the design and installation of plumbing systems, including the coordination with other services.
- b. Integration of plumbing services within the building and site environment.
- c. Information required regarding the maintenance of the integrity of structures and sites.
- d. Positioning and protection of services.
- e. Weather proofing systems - Roof flashings and wall penetrations.

Foul water systems.

- a. Plumbing technology for foul water systems.
- b. Compliance
- c. Drainage
- d. Plumbing work: G13/AS1 approach vs. AS/NZS 3500 Part 2 (G13/AS3) approach
- e. Stack systems as specified AS/NZS 3500 Part 2

- f. Layout of sanitary plumbing systems
- g. Testing and maintenance.

Water supply systems.

- Multi-storey water supply systems
- Cold water reticulation
- Water for flushing sanitary fixtures.
- Fire services
- Special-purpose supplies
- Water storage tanks
- Identification of causes of water backflow into the public water supply
- Water supply protection methods, design, testing and maintenance
- Hot water supply systems:
 - a. Solar water heating
 - b. Methods of heat transfer
 - c. Thermo siphon circulation
 - d. Forced circulation
 - e. Sizing solar water heating systems
 - f. Multiple collectors
- Testing and Maintenance
- Pipe sizing; pipe sizing methods, resistances, and checks.

Legislation relevant to the exam

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

- [Plumbers, Gasfitters, and Drainlayers Act 2006](#)
- [Plumbers, Gasfitters, and Drainlayers Regulations 2010](#)
- [Health and Safety at Work Act 2015](#)
- [Health and Safety in Employment Regulations 1995](#)
- [Building Act 2004](#)
- [Health Act 1956 Part 2A \(Drinking Water\) amended 2007](#)
- [Building Code and Handbook](#)

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

The Building Code and Compliance Documents:

- [New Zealand Building Code Handbook](#)
- B2: Durability - E1: Surface Water
- E2: External Moisture
- E3: Internal Moisture
- G1: Personal Hygiene
- G3: Food Preparation and Prevention of Contamination
- G10: Piped Services

- G12: Water Supplies
- G13: Foul Water
- H1: Energy Efficiency

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

Standards relevant to the exam

The following standards contain information relevant to this exam.

- AS/NZS 3500 Part 0:2021 Glossary of terms
- AS/NZS 3500 Part 1:2021 Water services
- AS/NZS 3500 Part 2:2021 Sanitary plumbing and drainage
- AS/NZS 3500 Part 4:2021 Heated water services
- AS/NZS 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](#).

Codes of practice relevant to the exam

The following codes of practice are relevant to the exam:

- Code of Practice for Safety in Excavation and Shafts for Foundations. This is available [here](#)
- Guide for Safety with Underground Services. This is available [here](#).
- Best practice guidelines for working at height in New Zealand. This is available [here](#).

Weighting of the exam

Topics	Marks
Health and safety	10
Supervision	5
Foul water systems	30
Water supply systems	45
Responsibilities and considerations regarding building services integration and site management	10
Total	100