

● AS/NZS 5263.0:2023 Transition

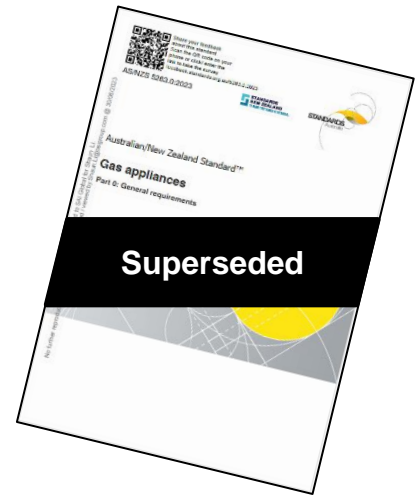
Guidance for Product Manufacturers

1. What is the background to this issue?

AS/NZS 5263.0:2017+A1:2020 was superseded in June 2023 and replaced with AS/NZS 5263.0:2023 Gas appliances Part 0: General requirements.

AS/NZS 5263.0:2023 contains minimum requirements for safety, performance and use common to many gas appliances.

AS/NZS 5263.0:2023 used in conjunction with the appliance-specific part (Part 1.X) of the AS/NZS 5263 series are the normative standards in Australia and New Zealand to evaluate and certify gas appliances and equipment intended for domestic, commercial, or light industrial use with an energy limit of 1000 MJ/h.



2. What technical changes have been made?

Many changes have been made to AS/NZS 5263.0:2023 version, and it is recommended to review the new standard to be sure you do not miss any changes that could have significance for your products.

The most significant changes to the standard include:

- Requirements for appliances incorporating gas/air ratio controls added.
- Requirements for vibration resistance for appliances suitable for boat and caravan installations.
- Additional temperature hazards requirements for appliances with air circulating fans.
- New terms and definitions.
- Updated requirements for:
 - Gas pressure measurement
 - Guarding fan impellers
 - Provision of regulators
 - Design of flue connection

- Requirement for burners with granular media
- Hose assembly classification
- Flame tracking on ignition
- Labelling and markings, including new markings for open flued appliances and for appliances suitable for boat and caravan installations
- Servicing instructions now required to include a maintenance schedule.
- Various test methods have been updated for minor corrections and improved clarity – refer to Preface summary in AS/NZS 5263.0:2023.

3. What gas appliances will be affected?

An appliance specific part (Part 1.X) of the AS/NZS 5263 series, may supplement or modify the corresponding clauses of Part 0. The numbering of clauses in Part 1.X is consistent with the numbering in Part 0 for related requirements.

The appliance specific standards and type of appliances which supplement or modify the corresponding requirements of AS/NZS 5263.0 are:

- AS/NZS 5263.1.1:2020 – Domestic gas cooking appliances
- AS/NZS 5263.1.2:2020 - Gas fired water heaters for hot water supply and/ or central heating
- AS/NZS 5263.1.3:2021 (Inc Amend No. 1) - Gas space heating appliances
- AS/NZS 5263.1.4:2017 - Radiant gas heaters
- AS/NZS 5263.1.5:2019 - Domestic gas refrigerators
- AS/NZS 5263.1.6:2020 - Indirect gas-fired ducted air heaters
- AS/NZS 5263.1.7:2020 - Domestic outdoor gas cooking appliances
- AS/NZS 5263.1.8:2021 (Incorporating Amendment No. 1) - Decorative effect gas appliances
- AS/NZS 5263.1.9:2019 - Gas laundry dryers
- AS/NZS 5263.1.10:2019 - Gas direct fired air heaters
- AS/NZS 5263.1.11:2020 - Small gas engine driven appliances
- AS/NZS 5263.1.12:2019 - Gas pool heaters

Thus, take domestic gas cooking appliances as an example, the combination of AS/NZS 5263.1.1:2020 and AS/NZS 5263.0:2017+A1:2010 will need to be upgraded to AS/NZS 5263.1.1:2020 and AS/NZS 5263.0:2023.

4. When must I upgrade my appliance certification to AS/NZS 5263.0:2023?

Gas Equipment Certification Scheme “The Rules” ([GTRC Rules](#)) requires in 6.11: *“Gas equipment must comply with any new or amended requirements within 2 years of date of publication of the relevant standard and/or code, unless a specific time frame is specified within the standard.”*

The manufacturers should complete the review of AS/NZS 5263.0:2023 and develop an action plan to ensure your products continue to comply with the new requirements. We expect the action plan to be completed within the next six months.

An application should be lodged with BSI to update the certification to verify the compliance to the new requirements in AS/NZS 5263.0:2023. As required by Gas Equipment Certification Scheme “The Rules”, all manufacturers must complete the upgrade to the new standard before 23 June 2025, which is two years after the publication of AS/NZS 5263.0:2023.

5. Do existing gas appliances currently certified to AS/NZS 5263.0:2017 need be retested?

[GTRC Rules](#) does not include any requirements for repeat testing of appliances because of the change of standard. We will conduct a review on the individual appliance type basis to confirm if your appliances continue to comply with the latest requirements of AS/NZS 5263:2023.

Based on our review we expect that physical retesting may not be required for many certificates. In such instances, the standard upgrading can be facilitated through a desktop review. Product markings and instructions may be required to be updated, depending on the appliance type – again we can conduct a review on an individual appliance type basis to confirm this.

6. What are my options if retesting is required?

If, because of the review, any retest was required, we would limit the test to the clauses with new requirements only applicable to your gas appliances. If the manufacturer decided that they needed to modify the appliance to meet the new requirements, then the modified appliance would have to be submitted for testing to verify the modifications.

As a global certification body, we have laboratories and certification managers conveniently located in Australia, China, Korea, Europe, and the North America. Our team is fully committed to identifying strategies that will streamline and optimize the certification process for your organization. We will explore ways to minimize the effort, time, and associated costs of certification, ensuring that you receive maximum value from our services.

7. What if I have any further questions?

In the first instance, please contact Shaun Li (shaun.li@bsigroup.com) or John Vanderzon (John.Vanderzon@bsigroup.com).

