



Resources Safety & Health  
Queensland

# Queensland Code of Practice

## Gas device approval authority holders

Petroleum and Gas Inspectorate

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## Summary

This document, *Queensland Code of Practice – Gas device approval authority holders* is authorised by section 138G(2)(a) of the Petroleum and Gas (Safety) Regulation 2018.

It sets out conduct and technical obligations for holders of a gas device approval authority (GDAA) in Queensland.

It is standard for Australian and international safety regulators to require gas devices (or gas appliances) to be approved (tested and certified). In Queensland, a gas device must be approved for supply, installation or use by a GDAA holder.<sup>1</sup>

In addition to conduct and technical requirements in this Code of Practice, GDAA holders are subject to requirements in the *Petroleum and Gas (Production and Safety) Act 2004* and the Regulation. The overall framework of the requirements is to ensure processes used to assess and approve gas devices are consistent and transparent.

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<sup>1</sup> In some instances, the supply, installation or use of a gas device may be approved by the chief inspector.

# Contents

Summary .....	2
Acronyms and glossary .....	4
Introduction .....	5
Document history.....	7
PART 1 Conduct and technical requirements .....	8
GDAA type A holders – conformity assessment bodies .....	8
PART 2 Conduct requirements.....	9
GDAA type A2, GDAA type B, GDAA type B2 .....	9
PART 3 Eligible gas devices type A .....	11
PART 4 Technical requirements .....	13
GDAA type A2.....	13
GDAA type B.....	16
GDAA type B2.....	19
Appendix I - Conditions for GDAA holders.....	22
For all GDAA holders .....	22
For all GDAA type A holders.....	23
For all GDAA type A1, type B and type B1 holders .....	24
Appendix II - Classes of gas devices type B .....	25

## Acronyms and glossary

Acronym / Term	Description
chief inspector	the person appointed chief inspector, Petroleum and Gas, under the Act
Code of Practice	the <i>Queensland Code of Practice – Gas device approval authority holders</i>
conformity assessment body	an entity that holds accreditation with the Joint Accreditation System of Australia and New Zealand for operating a product certification scheme for gas-related products in accordance with AS/NZS ISO/IEC 17065 ‘ <i>Conformity assessment— Requirements for bodies certifying products, processes and services</i> ’
eligible gas device type A	a gas device type A specified in Part 3 of the Code of Practice
fuel gas refrigeration device	a gas device type B that uses fuel gas as a refrigerant (see section 724 and schedule 2 of the Act)
gas device type A	as defined by section 724 of the Act
gas device type B	as defined by section 724 of the Act
gas work authorisation	granted under the Act to authorise the holder, or an individual working under the holder’s authority, to undertake gas work in relation to a gas device type B
gas work licence	granted under the Act to authorise the holder to undertake gas work in relation to a gas device type A or a fuel gas refrigeration device
GDA / gas device approval authority	granted under the Act to authorise the holder to undertake gas device approval work
GTRC	Gas Technical Regulators’ Committee
GTRC rules	<i>Rules for Gas Appliance and Component Certification for Australia</i> published by the Gas Technical Regulators’ Committee
GDA type A	a GDA authorising the holder to undertake gas device approval work for a gas device type A
GDA type A2	a GDA authorising the holder to undertake gas device approval work for an eligible gas device type A
GDA type B	a GDA authorising the holder to undertake gas device approval work a gas device type B that is not a fuel gas refrigeration device
GDA type B2	a GDA authorising the holder to undertake gas device approval work for a fuel gas refrigeration device
the Act	the <i>Petroleum and Gas (Production and Safety) Act 2004</i>
the Regulation	the Petroleum and Gas (Safety) Regulation 2018
the Requirements Document	the <i>Gas Device Approval Authority Requirements</i> document

# Introduction

The regulatory framework supporting approval of gas devices in Queensland comprises:

- chapter 9, part 6A of the Act
- chapter 7A of the Regulation
- this Code of Practice and
- the Requirements Document

The regulatory framework is supported by Technical Guidelines:

- *Guideline for Gas Safety and Compliance Information required for eligible type A gas device approval* and
- *Guideline for Gas Safety and Compliance Information required for type B gas device approval*

There are **four categories of GDAA**

GDAA category	Scope of gas device approval work that can be undertaken
type A	authority for conformity assessment bodies to approve a gas device type A
type A2	authority to approve an eligible gas device type A
type B	authority to approve a gas device type B that are not fuel gas refrigeration devices
type B2	authority to approve fuel gas refrigeration devices

The **Act** (section 731AA) makes it an offence to supply a gas device (type A), install or use a gas device (type A and type B) in Queensland unless the supply, installation or use has been approved by the chief inspector or the device has been approved for supply, installation or use by the holder of a GDAA.

The Act also provides:

- what the chief inspector is to consider when deciding to grant or refuse an application
- an information notice is to be given if an application is refused
- an information notice is to be given if an applicant does not agree with conditions
- an offence for non-compliance with authority conditions and
- for matters that can be prescribed in the Regulation

The **Regulation** prescribes:

- qualification and experience requirements for GDAA applications
- provisions that allow the chief inspector to grant a GDAA where an applicant can otherwise demonstrate the skill and knowledge required to approve a gas device

- suitable person considerations
- conditions for holding a GDAA including compliance with conduct and technical requirements prescribed in this Code of Practice<sup>2</sup>

This **Code of Practice** prescribes conduct and technical requirements for GDAA holders and specifies eligible type A gas devices a type A2 GDAA holder may approve.

The **Requirements Document** sets out the suitable person considerations, the qualification and experience requirements for making a GDAA application and conditioning provisions.

The **Technical Guidelines** outline the technical information and format required for approving an eligible gas device type A and a gas device type B in Queensland.

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<sup>2</sup> Appendix I lists conditions prescribed in the Regulation for GDAA holders.

## Document history

Version	Date of publication	Date of effect	Key changes
1	18 September 2020	18 September 2020	
2	1 September 2021	1 September 2021	General update  Additional professional conduct requirements: <ul style="list-style-type: none"><li>• to notify the chief inspector of any conflict of interest</li><li>• to maintain professional currency</li><li>• to maintain appropriate level of professional insurance</li></ul>

## PART 1 Conduct and technical requirements

### *GDAA type A holders – conformity assessment bodies*

Sections 138F of the Regulation requires GDAA type A holders to comply with the [Rules for Gas Appliance and Component Certification for Australia](#) (GTRC rules) as published by the Gas Technical Regulators' Committee<sup>3</sup>. The GTRC rules include conduct and technical requirements that national conformity assessment bodies are to comply with.

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<sup>3</sup> The [Gas Technical Regulators Committee](#) is a non-statutory committee of Australian and New Zealand gas technical and safety regulators

## PART 2 Conduct requirements

Section 138G of the Regulation prescribes, as a general condition for holding a GDAA, compliance with conduct requirements in this Code of Practice .

### *GDAA type A2, GDAA type B, GDAA type B2*

Conduct requirements for GDAA type A2, type B and type B2 holders comprise professional and procedural requirements set out below.

#### Professional conduct requirements

A holder of a GDAA type A2, type B and type B2 is to:

1. undertake work with a duty of care
2. always act in the public interest
3. undertake work in a way that conforms to the type and conditions of the GDAA granted to them
4. resolve or manage appropriately any conflict or incompatibility between private or personal interests and the impartial performance of a GDAA holder including notification to the chief inspector of any conflict of interest (whether actual, perceived, potential, pecuniary or non-pecuniary)
5. engage with peers, the chief inspector and relevant standards committees to seek advice and raise issues to improve assessment and approval processes
6. maintain professional currency appropriate for the type and scope of gas device approval work authorised by their GDAA
7. maintain a level of insurance (e.g. third party liability, professional indemnity) appropriate for the gas approval work being undertaken by the holder

#### Procedural conduct requirements

A holder of a GDAA type A2, type B and type B2 is to:

8. ensure technical information received from manufacturers / suppliers / installers meets the Technical requirements in part 4 of this Code of Practice
9. ensure technical information received from manufacturers / suppliers / installers is assessed in compliance with the Technical requirements in part 4 of the Code of Practice
10. issue a gas device approval certificate in the approved form to the owner when approving a gas device.
11. provide a copy of each gas device approval certificate to the chief inspector

12. retain a copy of each gas device approval certificate
13. ensure, for approved gas devices, the approval number and the date of approval is marked on or adjacent to the device data plate identifying the device meets the relevant safety requirements
14. notify the chief inspector in writing of changes in employment status or changes to persons who are undertaking approvals under an authority
15. request cancellation of their authority and to return to the chief inspector any unused certificate books if no longer active in gas device approval work

#### Additional procedural conduct requirements for the holder of a GDAA type A2

1. The process of approval shall include a review of the gas device design, and functionality testing to confirm the technical requirements are achievable.

#### Additional procedural conduct requirements for the holder of a GDAA type B

1. The process of approval shall include a review of the gas device design for all devices, and an onsite inspection/verification to confirm as constructed and performance details for gas devices type B Class C4 and gas devices type B Class M.
2. Approval for commissioning gas can be provided by a GDAA holder in writing, when the device capacity is greater than 20 GJ/hour (a gas device type B Class C4) and the holder is in attendance to confirm critical safety functionality.
3. The GDAA holder is to undertake inspections prior to commissioning gas for a gas device type B Class C4 or gas device type B Class M.
4. The GDAA holder is to sign off on installed/constructed system including commissioning for a gas device type B Class C4 or gas device type B Class M).

A table defining classes of gas devices type B is at Appendix II.

## PART 3 Eligible gas devices type A

Section 138A of the Regulation defines eligible gas devices type A as those that under this Code of Practice meet the eligibility requirements (see Table 3.1) and are not excluded (see Table 3.2).

Individual, eligible gas devices type A may be approved for supply, installation or use by the holder of a GDAA type A2. Due to potential elevated risks associated with some gas device type A's and to establish an acceptable level of safety, not all gas devices type A are eligible for approval by the holder of a GDAA type A2. Elevated risks can be in relation to the design, construction, installation or use of a particular device, or due to the complexity of controls or processes.

Where eligibility requirements (Table 3.1) are not met, or a device is excluded (Table 3.2) the device **must not be approved** by a GDAA type A2 holder. Where there is any doubt or lack of clarity, the holder must only consider approving the device in consultation with the chief inspector.

### Table 3.1 - Eligibility requirements

1. The device uses fuel gas by way of combustion
2. The fuel gas is Natural Gas or Liquefied Petroleum Gas (LP Gas)
3. Burner operating pressure that does not exceed
  - a. 2.75 kPa for LP gas or
  - b. 1.00 kPa for natural gas
4. Maximum gas consumption that does not exceed 150mj/hour
5. Atmospheric burners as defined in AS 5263.0 'Gas appliances – general requirements' (AS 5263.0)
6. Burner management system is certified to Australian requirements
7. Flame supervision system to be thermocouple or flame rectification/ionisation
8. Natural draft or power flue is as defined in AS5263.0
9. All gas components to comply with Australian requirements
10. Does not have process and/or flue system that includes an 'after burner'

**Table 3.2 - Excluded gas devices**

<b>Excluded gas device</b>	<b>Reason for exclusion</b>
Any appliance using a fuel gas that does not meet the fuel gas quality and characteristics prescribed for consumers in chapter 7 of the Act	Due to the elevated risks associated with biogas, hydrogen and other substances prescribed as fuel gas appliances using any gas other than standardised LP gas or natural gas are to be assessed for approval by the holder of a gas device type B approval authority.
Appliances that are fuelled by way of or include a fuel gas canister. This includes but is not limited to butane canister cookers (lunch box cookers), camping heaters, and canister lamps/lights	Safety related functions of this type of appliance can only be assured through rigorous laboratory testing. There is an elevated level of risk due to proximity of canister to heat source, reliability of shut-off and ejection systems. These appliances may be eligible under the nationally recognised type test scheme.
“Yum-Char Trolley” – mobile food cabinet, used for heating/warming food through a heating medium of water or oil, and includes an LP gas cylinder within the cabinet	There is an elevated level of risk due to the proximity of the appliance to the public in crowded spaces. The proximity of the LP gas cylinder to the heat source. The mobile nature of the appliance and spillage of heated liquids.
Gas air conditioners with the capacity to consume no more than 500MJ/hour	Gas fired reciprocating engines provide an elevated level of risk and are only to be approved by the holder of a GDAA Type A.
Portable gas generators with the capacity to consume no more than 500MJ/hour	Gas fired reciprocating engines provide an elevated level of risk and are only to be approved by the holder of a GDAA Type A.
Indoor flueless room heaters	High risk appliance

## PART 4 Technical requirements

Section 138G of the Regulation makes it a condition to comply with technical requirements in this Code of Practice for holders of GDAA's type A2, type B and type B2.

### *GDAA type A2*

#### Design, construction and performance requirements

The holder of GDAA type A2 must only assess an eligible gas device type A in accordance with the following requirements:

##### *General*

1. A device shall be designed and built to operate safely and present no danger to persons, domestic animals or property when used for its intended purpose in accordance with the supplied instructions

##### *Instructions*

2. Gas equipment shall be accompanied by an appropriate set of installation, operating and maintenance instructions. Instructions and warning notices shall be in the English language and include appropriate diagrams, pictures or drawings
3. Instructions for installation shall contain all information required for the purpose of installation. In particular the instructions shall specify:
  - a. the type of gas to be used
  - b. the gas supply pressure and gas equipment operating pressure at a specified point;
  - c. the ventilation requirements
  - d. the conditions for disposal of combustion products and
  - e. any special requirements
4. The instructions for use and maintenance (intended for the user) shall contain all the information required for safe use, and shall particularly draw the user's attention to any restrictions on use or special precautions required to ensure safety

##### *Markings*

5. Each device shall be clearly marked in the English language in a permanent manner with:
  - a. the name or registered trade-name or mark of the manufacturer, or supplier
  - b. means to identify the specific model

- c. the type of gas to be used
  - d. appliance burner operating pressure(s)
  - e. gas consumption rate (input rating)
  - f. required gas supply pressure
  - g. mark of GDAA holder and
  - h. the approval number
6. Warning notices shall clearly state:
- a. the gas type and supply pressure
  - b. any restrictions on installation and use, in particular restrictions whereby the equipment shall be installed and operated outdoors only or only in areas where there is sufficient ventilation
7. Controlling devices shall be clearly and permanently marked and have appropriate signs to indicate correct operation

### *Design and construction*

8. Materials used in the construction of devices shall be appropriate for their intended purpose and able to withstand the environmental, physical, chemical and thermal conditions to which they will foreseeably be subjected
9. When used in accordance with the supplied instructions, no mechanical instability, distortion, breakage or undue wear will compromise safety
10. Controls and safety devices are suitable for their intended application
11. Condensation from flue gases produced at the start-up or during use shall not affect the safety of gas equipment
12. The risk of explosion is minimised in the event of a fire of external origin
13. Water and inappropriate air penetration into the gas circuit does not occur
14. They are electrically safe
15. All pressurized parts shall withstand the mechanical and thermal stresses to which they may be subjected without any deformation affecting safety
16. The failure or partial failure of any one safety controlling or regulating device does not lead to an unsafe situation
17. If equipped with safety devices and controlling devices, the functioning of the safety devices shall not be compromised by those of the controlling devices
18. All adjustable components, pre-set during manufacture or commissioning, shall be protected from adjustment by the user
19. Controlling devices shall be designed and protected:
  - a. to avoid accidental manipulation to minimize the dangers to children and infirm and elderly persons

- b. to minimize mechanical hazards to persons including the installer, service person or user

*Note: Mechanical hazards include sharp points, corners or edges, and hazards from moving parts*

- 20. The device has adequate means of support and shall be stable or remain safe when subjected to anticipated external forces

*Note: External forces include those from seismic activity and any other force that might tend to overturn a freestanding appliance. In most cases restraint or protection against seismic acceleration is adequate if effective for accelerations up to 1g*

- 21. Any part of gas equipment that requires maintenance for safety purposes shall be readily accessible

### *Performance requirements*

- 22. Performance of devices during operation shall ensure:

- a. in the event of normal fluctuation of the gas supply pressure it continues to operate safely
- b. abnormal fluctuation of the gas supply pressure or failure of the gas supply or its restoration does not lead to an unsafe situation
- c. safe operation is maintained in the event of expected gas quality variations
- d. any gas leakage is minimized and cannot give rise to a hazardous situation
- e. gas release during ignition, re-ignition and after flame extinction is limited
- f. unburned gas does not accumulate to a dangerous level during operation.

- 23. When used in accordance with the supplied instructions:

- a. ignition and re-ignition is reliable and complete
- b. burner cross-lighting is assured
- c. flame stability is assured
- d. flame abnormality is avoided
- e. the emission of substances harmful to health is minimized
- f. no fire hazard arises
- g. there is no unintended release of combustion products

- 24. When designed for connection to a flue for the removal of combustion products shall be so constructed that, when the appliance and flue system are installed in accordance with the supplied instructions, abnormal draught conditions do not result in dangerous release of combustion products

- 25. When installed and used in accordance with supplied instructions, local combustible surfaces shall not reach temperatures in that create a hazard

- 26. Surface temperatures of appliance controls intended to be handled shall not present a danger

- 27. Surface temperature of parts of appliances that are likely to be touched shall not under any operating conditions present a danger

## *GDA type B*

### *Purpose*

1. The holder of a GDA type B must assess the design of a device in relation to matters affecting gas-firing systems or to the interconnection between gas-firing systems and the safety requirements of the device
2. The process of approval shall include a review of the gas device design for all devices, and an onsite inspection/verification to confirm as constructed and performance details when required
3. The design review is to confirm information and technical data provided for assessment demonstrates compliance with this code and any relevant safety requirement

### *General*

4. The information and technical data provided shall ensure the gas-firing system operates safely and presents no danger to persons, domestic animals or property when used for its intended purpose in accordance with relevant instructions and markings

### *Owner and location information*

Location specific information is required to ensure transparency and traceability.

5. Name and address of appliance original equipment manufacturer
6. Name and address of the authorised installer
7. Name and address of commissioning person
8. Name and address of organization where appliance is or is to be installed
9. Customer contact and telephone number

### *Device information*

10. Device type
11. Description of device operation and process
12. Number of gas burners and type of burners
13. Nominal gas consumption for total appliance and for each main burner
14. Gas consumption at ignition for each burner
15. Air flow rate at ignition for each burner
16. Volume of each combustion chamber
17. Total volume swept by the combustion products from the burner(s) to each flue connection
18. Air flow rate during purge periods
19. Details and method of operation of any combustion air or flue dampers

20. Details of any explosion reliefs including location, cross-sectional area and weight together
21. Process and instrumentation diagrams for the appliance
22. Schematic drawing of the combustion air control system and fuel valve train specifying all valve train components, including brand, model number, size and rated working pressure and the proposed setting of all adjustable devices
23. Schematic electrical wiring diagram showing the safety and control circuits, including brand, model number and method of operation of each major component, and the proposed setting of any adjustable device
24. Purge time calculations
25. Calculations of start gas rate conditions
26. Air dilution rate calculations for processes involving solvents or dusts
27. Documentation and certification to demonstrate compliance of any Programmable Electrical Systems (PES) or Programmable Logic Controls (PLC) for safety instrumented system

*NOTE: Units of measurement should comply with the SI system.*

#### *Device location*

28. Details of ventilation requirements for appliance and location where the appliance is or is to be installed
29. Details of flueing, including method, material and location of flue termination

#### *Instructions*

30. Designs submitted for assessment shall include evidence that the device will be accompanied by an appropriate set of installation, operating and maintenance instructions and the device will be marked with information required by the code of practice and any relevant safety requirement.
31. Instructions for installation shall contain all information required for the purpose of installation. In particular the instructions shall specify
  - a. the type of gas to be used
  - b. the gas supply pressure and gas equipment operating pressure at a specified point
  - c. the ventilation requirements
  - d. the conditions for disposal of combustion products and
  - e. any special requirements
32. The instructions for use and maintenance (intended for the user) shall contain all the information required for safe use, and shall particularly draw the user's attention to any restrictions on use or special precautions required to ensure safety

## Markings

33. Each gas device shall include a data plate that is legibly and clearly marked in the English language in a permanent manner with:
- a. the name or registered trade-name or mark of the manufacturer, or supplier
  - b. model identification and unique serial number/identification
  - c. date of manufacture
  - d. the type of gas to be used
  - e. appliance burner operating pressure(s)
  - f. gas consumption rate (input rating)
  - g. required gas supply pressure
  - h. purge time
  - i. combustion chamber volume
  - j. swept volume
  - k. purge volume for combustible atmospheres
  - l. mark of GDAA and the approval number
34. Warning notices shall clearly state:
- a. the gas type and supply pressure
  - b. any restrictions on installation and use, in particular restrictions whereby the device shall be installed and operated outdoors only or only in areas where there is sufficient ventilation
35. Controlling devices shall be clearly and permanently marked and have appropriate signs to indicate correct operation

## *GDA type B2*

1. The holder of GDA type B2 must address requirements of section 137 of the Regulation. A current Test Report from an approved certification body may be used to satisfy this requirement for mass produced whitegoods appliances at the discretion of the Chief Inspector
2. The process of approval shall include a design base review for all devices, and an onsite inspection to confirm as constructed and performance details when required
3. Approval of commercial / industrial refrigeration devices with a charge of more than 1500 grams must include a physical inspection the device, or an example of the device, by the certifier prior to approval
4. The design review is to confirm information and details provided in the technical submission demonstrates compliance with the technical requirements of in this code of practice

### *General*

5. Refrigeration devices using hydrocarbon refrigerant shall be designed and built so as to operate safely and present no danger to persons, domestic animals or property when used for its intended purpose in accordance with the supplied instructions

### *Instructions*

6. Devices shall be accompanied by an appropriate set of installation, operating and maintenance instructions
7. Instructions and warning notices shall be in the English language and include appropriate diagrams, pictures or drawings
8. Instructions for installation shall contain all information required for the purpose of installation and shall specify
  - a. the type and charge of refrigerant gas to be used
  - b. the ventilation requirements
  - c. Emergency response requirements
9. Instructions for use and maintenance (intended for the user) shall contain all the information required for safe use, and shall particularly draw the user's attention to any restrictions on use or special precautions required to ensure safety

### *Markings*

10. Each device shall be legibly and clearly marked in the English language in a permanent manner with:
  - a. the name or registered trade-name or mark of the manufacturer, or supplier

- b. means to identify the specific model
  - c. the type and charge of the refrigerant gas used
11. Appropriate markings for flammable gas
  12. Warning notices shall clearly state any restrictions on installation and use, in particular restrictions whereby the equipment shall be installed and operated outdoors only or only in areas where there is sufficient ventilation
  13. Controlling devices shall be clearly and permanently marked and have appropriate signs to indicate correct operation

### *Design and construction*

14. Materials used in the construction of devices shall be appropriate for their intended purpose and able to withstand the environmental, physical, chemical and thermal conditions to which they will foreseeably be subjected
15. Materials used in the construction of devices shall be appropriate for their intended purpose and able to withstand the environmental, physical, chemical and thermal conditions to which they will foreseeably be subjected
16. When used in accordance with the supplied instructions, no mechanical instability, distortion, breakage or undue wear will compromise safety
17. Controls and safety devices are suitable for their intended application
18. Condensation from flue gases produced at the start-up or during use shall not affect the safety of gas equipment
19. The risk of explosion is minimised in the event of a fire of external origin
20. Water and inappropriate air penetration into the gas circuit does not occur
21. They are electrically safe
22. All pressurized parts shall withstand the mechanical and thermal stresses to which they may be subjected without any deformation affecting safety
23. The failure or partial failure of any one safety controlling or regulating device does not lead to an unsafe situation
24. If equipped with safety devices and controlling devices, the functioning of the safety devices shall not be compromised by those of the controlling devices
25. All adjustable components, pre-set during manufacture or commissioning, shall be protected from adjustment by the user
26. Controlling devices shall be designed and protected:
  - a. to avoid accidental manipulation to minimize the dangers to children and infirm and elderly persons
  - b. to minimize mechanical hazards to persons including the installer, service person or user

*Note: Mechanical hazards include sharp points, corners or edges, and hazards from moving parts*

27. The device has adequate means of support and shall be stable or remain safe when subjected to anticipated external forces

*Note: External forces include those from seismic activity and any other force that might tend to overturn a freestanding appliance. In most cases restraint or protection against seismic acceleration is adequate if effective for accelerations up to 1g*

28. Any part of gas equipment that requires maintenance for safety purposes shall be readily accessible

### *Performance requirements*

29. Performance of gas appliances during operation shall ensure:

- a. any gas leakage is minimized and cannot give rise to a hazardous situation
- b. appropriate controls in place to monitor for refrigerant leakage inside buildings and plant rooms
- c. appropriate controls in place to ensure that refrigerant leakage in a space cannot reach the lower explosive limit of the refrigerant gas used

# Appendix I - Conditions for GDAA holders

As prescribed in the Petroleum and Gas (Safety) Regulation 2018

## *For all GDAA holders*

### *138D Conditions of gas device approval authority—Act, s 731AF*

This part prescribes, for section 731AF(a) of the Act, the conditions of a gas device approval authority.

### *138E General conditions*

- (1) The holder of a gas device approval authority must do the following—
  - (a) make, implement and maintain a documented process for approving the supply, installation or use of gas devices;
  - (b) keep a record of each approval given by the holder under the authority for 7 years after the approval is given;
  - (c) notify the chief inspector of any of the following changes immediately after the change happens—
    - (i) the holder is convicted of an indictable offence;
    - (ii) the holder has a disability or medical condition that prevents the holder from complying with the technical requirements stated in the GDAA code for the gas device to which the authority relates;
    - (iii) the holder's interstate or New Zealand authority is cancelled;
    - (iv) an application by the holder for an interstate or New Zealand authority is refused;
  - (d) if the holder decides to approve the supply, installation or use of a gas device—ensure the design of the device has the safety outcomes.
  
- (2) For subsection (1)(d), the holder is taken to comply with the condition mentioned in that paragraph if the holder—
  - (a) complies with the safety requirement for the design of the gas device; or
  - (b) if there is no safety requirement for the design of the gas device—
    - (i) uses a risk assessment process in deciding to approve the supply, installation or use of the device; and
    - (ii) notifies the chief inspector of the use of the risk assessment process before giving the approval; and
    - (iii) keeps a record of the use of the risk assessment process for 7 years after giving the approval.

(3) In this section— risk assessment process means a process that—

- (a) allows the holder of a gas device approval authority to assess the risks associated with the design of a gas device to ensure the design of the device has the safety outcomes; and
- (b) complies with the technical requirements stated in the GDAA code for the gas device.

**safety outcomes**, for the design of a gas device, means both of the following outcomes—

- (a) the device is designed to use fuel gas safely;
- (b) the device is designed so that its use will not cause harm to persons, domestic animals or property.

### *For all GDAA type A holders*

#### *138F Additional conditions of authority granted on basis of JAS-ANZ accreditation*

- (1) This section applies to the holder of a gas device approval authority for a gas device (type A) if the authority was granted on the basis the holder holds a JAS-ANZ accreditation.
- (2) The holder must comply with the gas equipment certification rules.
- (3) In this section—

**gas equipment certification rules** means the document called ‘Gas equipment certification scheme—“The rules”’, published on the Gas Technical Regulators Committee’s website.

## *For all GDAA type A1, type B and type B1 holders*

### *138G Additional conditions of authority granted other than on basis of JAS-ANZ accreditation*

- (1) This section applies to the holder of a gas device approval authority if the authority was granted other than on the basis the holder holds a JAS-ANZ accreditation.
- (2) The holder must do the following—
  - (a) comply with the technical requirements and conduct requirements stated in the GDAA code for the gas device to which the authority relates;
  - (b) if the holder decides to refuse to approve the supply, installation or use of a gas device—notify the chief inspector within 5 business days of making the decision;
  - (c) if a person applies to the holder for approval of the supply, installation or use of a gas device and the device is unsafe—notify the chief inspector immediately;
  - (d) if the holder becomes aware a person is installing gas devices the person is not appropriately qualified to install—notify the chief inspector within 5 business days of becoming aware of the matter;
  - (e) notify the chief inspector at least 5 business days before deciding to suspend or cancel an approval given by the holder under the authority.
- (3) The holder must not, without the chief inspector's authorisation, approve the supply, installation or use of a gas device if the holder, the holder's employer or an employee of the holder—
  - (a) designed or constructed the device; or
  - (b) intends to install the device.
- (4) For subsection (3), the chief inspector may give the authorisation if the chief inspector is satisfied there is, or will be, appropriate separation between—
  - (a) the person approving the supply, installation or use of the gas device; and
  - (b) the person designing, constructing or installing the device.

## Appendix II - Classes of gas devices type B

	CLASS VS (Very Simple Device – risk based assessment)	CLASS S (Simple Devices)	CLASS C (Complex Devices)	CLASS M (Major device)
Gas consumption rate and design restrictions	<200MJ/hour Manual on/off control Firing into open combustion area	S1 < 200 MJ/hour S2 < 500 MJ/hour S3 <1000 MJ/hour S4 < 5000 MJ/hour	C1 < 5 GJ/hour C2 < 10 GJ/hour C3 < 20 GJ/hour C4 < 50 GJ/hour	> 50 GJ/hour
Atmospheric Burners	Yes	Yes	Yes	Yes
Forced/induced draft burners	<i>Not authorised</i>	Yes – limited to 1000 MJ/hr	Yes	Yes
Liquid LPG Burners	<i>Not authorised</i>	<i>Not authorised</i>	Yes	Yes
Electronic Control Circuit	<i>Not authorised</i>	<i>Not authorised</i>	Yes	Yes
Explosion relief to AS1375	<i>Not authorised</i>	<i>Not authorised</i>	Yes	Yes
Purge Volume >10m <sup>3</sup>	<i>Not authorised</i>	<i>Not authorised</i>	Yes	Yes
Maximum gas pressure	<i>Not authorised</i>	200 kPa	No limit	No limit