

Version No.
Plumbing Regulations 2018

S.R. No.

Version incorporating amendments as at

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Version No.
Plumbing Regulations 2018

S.R. No.

The Governor in Council makes the following Regulations:

Dated:

Responsible Minister:

RICHARD WYNNE
Minister for Planning

Clerk of the Executive Council

Part 1—Preliminary

Division 1—Introduction

1 Objectives

The main objectives of these Regulations are—

- (a) to specify work that is plumbing work to which Part 12A of the **Building Act 1993** applies, and to specify classes of plumbing work and classes of specialised plumbing work for the purposes of that Part; and
- (b) to specify the qualifications and experience required for a person to be able to be licensed or registered to carry out plumbing work; and
- (c) to incorporate the Plumbing Code of Australia and to prescribe standards and other requirements that a licensed or registered plumber must comply with when carrying out plumbing work; and
- (d) to specify fees for the purposes of Part 12A of the **Building Act 1993**; and

(e) to provide for other matters for the purposes of Part 12A of the **Building Act 1993**.

2 Authorising provisions

These Regulations are made under sections 221ZZZV and 262 of the **Building Act 1993**.

3 Commencement

- (1) These Regulations (except regulation 36 and clause 13 of Part 1 of Schedule 2) come into operation on 18 November 2018.
- (2) Regulation 36 comes into operation on 18 November 2019.
- (3) Clause 13 of Part 1 of Schedule 2 comes into operation on 1 May 2019.

4 Revocations

The Regulations listed in Schedule 1 are **revoked**.

5 Definitions

In these Regulations—

annual greenhouse gas emissions means the amount of greenhouse gas emitted into the atmosphere in a year in supplying the energy consumed by a heated water service;

apprenticeship means a training contract between a person and an employer entered into under Part 5.5 of the **Education and Training Reform Act 2006**;

approved competency units means competency units that are approved by the Authority under regulation 47;

AS/NZS ISO 817 means AS/NZS ISO 817 Refrigerants—Designation and safety classification, as issued, published or remade from time to time;

AS/NZS 1530.3 means AS/NZS 1530.3 Methods for fire tests on building materials, components and structures Part 3: Simultaneous determination of ignitability, flame propagation, heat release and smoke release, as issued, published or remade from time to time;

AS 1562.3 means AS 1562.3 Design and installation of sheet roof and wall cladding Part 3: Plastic, as issued, published or remade from time to time;

AS/1682.2 means AS 1682.2 Fire, smoke and air dampers Part 2: Installation, as issued, published or remade from time to time;

AS 1851 means AS 1851 Routine service of fire protection systems and equipment, as issued, published or remade from time to time;

AS 2118.2 means AS 2118.2 Automatic fire sprinkler systems Part 2: Drencher systems, as issued, published or remade from time to time;

AS 2118.3 means AS 2118.3 Automatic fire sprinkler systems Part 3: Deluge systems, as issued, published or remade from time to time;

AS 2118.8 means AS 2118.8 Automatic fire sprinkler systems Part 8: Minor modifications, as issued, published or remade from time to time;

AS 2118.10 means AS 2118.10 Automatic fire sprinkler systems Part 10: Approval documentation, as issued, published or remade from time to time;

AS 2473.3 means AS 2473.3 Valves for compressed gas cylinders Part 3: Outlet

connections for medical gases (including pin-indexed yoke connections), as issued, published or remade from time to time;

AS 2568 means AS 2568 Medical gases—Purity of compressed medical breathing air, as issued, published or remade from time to time;

AS 2845.2 means AS 2845.2 Water supply—Backflow prevention devices Part 2: registered air gaps and registered break tanks, as issued, published or remade from time to time;

AS 2896 means AS 2896 Medical gas systems—Installation and testing of non-flammable medical gas pipeline systems, as issued, published or remade from time to time;

AS 2902 means AS 2902 Medical gas systems—Low pressure flexible hose assemblies, as issued, published or remade from time to time;

AS/NZS 2918 means AS/NZS 2918 Domestic solid fuel burning appliances—Installation, as issued, published or remade from time to time;

AS 2941 means AS 2941 Fixed fire protection installations—Pumpset systems, as issued, published or remade from time to time;

AS/NZS 3500.0 means AS/NZS 3500.0 Plumbing and drainage Part 0: Glossary of terms, as issued, published or remade from time to time;

AS/NZS 3500.1 means AS/NZS 3500.1 Plumbing and drainage Part 1: Water services, as issued, published or remade from time to time;

AS/NZS 3500.2 means AS/NZS 3500.2 Plumbing and drainage Part 2: Sanitary plumbing and drainage, as issued, published or remade from time to time;

AS 3814 means AS 3814 Industrial and commercial gas-fired appliances, as issued, published or remade from time to time;

AS 4032.3 means AS 4032.3 Water supply—Valves for the control of heated water supply temperatures Part 3: Requirements for field-testing, maintenance or replacement of thermostatic mixing valves, tempering valves and end-of-line temperature control devices, as issued, published or remade from time to time;

AS 4118.1.1 means AS 4118.1.1 Fire sprinkler systems Part 1.1: Components—Sprinklers and sprayers, as issued, published or remade from time to time;

AS 4118.1.2 means AS 4118.1.2 Fire sprinkler systems Part 1.2: Components—Alarm valves (wet), as issued, published or remade from time to time;

AS 4118.1.3 means AS 4118.1.3 Fire sprinkler systems Part 1.3: Components—Water motor alarms, as issued, published or remade from time to time;

AS 4118.1.4 means AS 4118.1.4 Fire sprinkler systems Part 1.4: Components—Valve monitors, as issued, published or remade from time to time;

AS 4118.1.5 means AS 4118.1.5 Fire sprinkler systems Part 1.5: Components—Deluge and pre-action valves, as issued, published or remade from time to time;

AS 4118.1.6 means AS 4118.1.6 Fire sprinkler systems Part 1.6: Components—Stop valves and non-return valves, as issued, published or remade from time to time;

AS 4118.1.7 means AS 4118.1.7 Fire sprinkler systems Part 1.7: Components—Alarm valves (dry), as issued, published or remade from time to time;

AS 4118.1.8 means AS 4118.1.8 Fire sprinkler systems Part 1.8: Components—Pressure-reducing valves, as issued, published or remade from time to time;

AS/NZS 4234 means AS/NZS 4234 Heated water systems—Calculation of energy consumption, as issued, published or remade from time to time;

AS/NZS 4552.2 means AS/NZS 4552.2 Gas fired water heaters for hot water supply and/or central heating Part 2: Minimum energy performance standards for gas water heaters, as issued, published or remade from time to time;

AS 4575 means AS 4575 Gas appliances—Quality of servicing, as issued, published or remade from time to time;

AS/NZS 4692.1 means AS/NZS 4692.1 Electric water heaters Part 1: Energy consumption, performance and general requirements, as issued, published or remade from time to time;

AS/NZS 4859.1 means AS/NZS 4859.1 Materials for the thermal insulation of buildings Part 1: General criteria and technical provisions, as issued, published or remade from time to time;

AS 4995 means AS 4995 Greywater treatment systems for vessels operated on inland waters, as issued, published or remade from time to time;

AS/NZS ISO 5149.1 means AS/NZS ISO 5149.1 Refrigerating systems and heat pumps— Safety and environmental requirements— Part 1: Definitions, classification and selection criteria (ISO 5149-1—2014, MOD), as issued, published or remade from time to time;

AS/NZS ISO 5149.2 means AS/NZS ISO 5149.2 Refrigerating systems and heat pumps— Safety and environmental requirements— Part 2: Design, construction, testing, marking and documentation (ISO 5149-2—2014, MOD), as issued, published or remade from time to time;

AS/NZS ISO 5149.3 means AS/NZS ISO 5149.3 Refrigerating systems and heat pumps— Safety and environmental requirements— Part 3: Installation site (ISO 5149-3—2014, MOD), as issued, published or remade from time to time;

AS/NZS ISO 5149.4 means AS/NZS ISO 5149.4 Refrigerating systems and heat pumps— Safety and environmental requirements— Part 4: Operation, maintenance, repair and recovery (ISO 5149-4—2014, MOD), as issued, published or remade from time to time;

AS/NZS 5601.1 means AS/NZS 5601.1 Gas installations Part 1: General installations, as issued, published or remade from time to time;

AS/NZS 5601.2 means AS/NZS 5601.2 Gas installations Part 2: LP Gas installations in caravans and boats for non-propulsive purposes, as issued, published or remade from time to time;

AS/NZS 6400 means AS/NZ 6400 Water efficient products—Rating and labelling, as issued, published or remade from time to time;

Australia and New Zealand Refrigerant handling code of practice 2007 Part 1 means Australia and New Zealand Refrigerant handling code of practice 2007 Part 1—Self-contained low charge systems, prepared jointly by the Australian Institute of Refrigeration, Air Conditioning and Heating and the Institute of Refrigeration, Heating and Air Conditioning Engineers New Zealand, as issued, published or remade from time to time;

Australia and New Zealand Refrigerant handling code of practice 2007 Part 2 means Australia and New Zealand Refrigerant handling code of practice 2007 Part 2—Systems other than self-contained low charge systems, prepared jointly by the Australian Institute of Refrigeration, Air Conditioning and Heating and the Institute of Refrigeration, Heating and Air Conditioning Engineers New Zealand, as issued, published or remade from time to time;

automated bleeding device means an automatic device used for the purposes of draining or bleeding or removing a fluid or gas;

automatic or manual interchange device means a device that by way of manual or automatic

means can alternate between varying water sources;

backflow prevention work has the meaning set out in regulation 34;

Building Regulations means the Building Regulations 2018;

caravan means a structure, other than a vessel, that is—

- (a) designed or adapted to be moved from place to place; or
- (b) intended for human habitation or use as a workplace including a self-propelled recreational vehicle or mobile home and any attached or adjoining annex or the like;

Certificate II course means a Certificate II course accredited under Part 4.4 of the **Education and Training Reform Act 2006**;

Certificate III course means a Certificate III course accredited under Part 4.4 of the **Education and Training Reform Act 2006**;

Class 1 building has the same meaning as it has in the PCA;

Class 1a building has the same meaning as it has in the PCA;

Class 10a building has the same meaning as it has in the PCA;

Climate zone 4 means climate zone 4 within the meaning of AS/NZS 4234;

Climate zone 5 means climate zone HP5-Au within the meaning of AS/NZS 4234;

CO₂-e/MJ means the carbon dioxide equivalent per mega joule of energy;

connection point means the outlet side of the meter assembly, control valve or backflow prevention device located immediately upstream from the pipework exclusively servicing the irrigation system;

cooling tower has the same meaning as it has in the **Public Health and Wellbeing Act 2008**;

cooling tower drift eliminator means a device used to control water loss from a cooling tower through the exhaust air;

disposal point means a land application system or a holding tank;

drainage work has the meaning set out in regulation 15;

drinking water has the same meaning as it has in the **Safe Drinking Water Act 2003**;

electric resistance water heater means a heated water service that uses electric resistance technology to heat the hot water with electricity as its primary source;

fire protection equipment means any of the following—

- (a) a fire hydrant or hose reel;
- (b) a residential or domestic fire sprinkler system;
- (c) a commercial or industrial fire sprinkler system;
- (d) a fire system pumpset;

fire protection work has the meaning set out in regulation 17;

gas has the same meaning as it has in the **Gas Safety Act 1997**;

gas company has the same meaning as it has in the **Gas Safety Act 1997**;

gasfitting work has the meaning set out in regulation 19;

gas isolating valve means a valve for the purpose of isolating part of a gas installation from the remainder of the gas installation;

gas storage container means a tank, cylinder or similar container from which gas is supplied;

gas supply point means—

- (a) the outlet of a gas company's meter assembly; or
- (b) the outlet of the primary shut-off valve of a gas storage container; or
- (c) if paragraphs (a) and (b) do not apply, the point of supply of gas;

greenhouse performance benchmark means the maximum amount of greenhouse gas emissions per unit of energy that may be emitted by a heated water service;

HB 276 means HB 276 A Guide to Good Practice for Energy Efficient Installation of Residential Heating, Cooling and Air Conditioning Plant and Equipment, published jointly by the Plumbing Industry Commission and Standards Australia, as issued, published or remade from time to time;

heat pump water heater means a water heater using vapour compression cycle and incorporating a compressor, an evaporator and a condenser, which delivers heat to the water either directly or indirectly;

irrigation (non-agricultural) work has the meaning set out in regulation 20;

mechanical services work has the meaning set out in regulation 21;

medical gases means any gas or mixture of gases or other substance or process for medical use that is supplied to, removed from or conducted at a hospital (or any other place where medical procedures are carried out), by way of a pipeline reticulation system and includes the following—

- (a) oxygen;
- (b) helium;
- (c) nitrous oxide;
- (d) nitrogen;
- (e) medical air;
- (f) surgical tool gas;
- (g) carbon dioxide;
- (h) common mixtures of the gases in paragraphs (a) to (g);
- (i) anaesthesia waste;

membrane means a protective material or substance that is applied to a roof covering to provide waterproofing;

minor tap repairs means the removal, reinstallation or replacement of tap handles, bonnets, spindles, tap washers, O-rings, or body washers but does not include—

- (a) the repair or replacement of any mixer tap, mixer tap cartridge, breech, outlet or ceramic disc spindle; or

(b) any work on a thermostatic mixing valve, a tempering valve or a backflow prevention device;

network utility operator has the same meaning as it has in AS/NZS 3500.0;

PCA means the Plumbing Code of Australia within the meaning of Part 12A of the **Building Act 1993**;

rainwater means water collected directly from roof run-off;

rainwater tank means a tank or a number of connecting tanks designed to collect rainwater from roof catchments;

refrigerated air-conditioning work has the meaning set out in regulation 23;

refrigerated air-conditioning (basic systems) work has the meaning set out in regulation 25;

relining means the rehabilitation process for a plumbing pipe system involving the curing in-place of a lining system using materials such as epoxy, silicate, vinylester and polyester;

replacement water heater means a hot water heated system that is installed to replace an existing heated water system in a Class 1 building but does not include a hot water heated system that is being installed to replace an existing heated water system under warranty;

Restricted electrical worker's licence (Class 2) has the same meaning as it has in the Electricity Safety (Registration and Licensing) Regulations 2010 and includes a

Disconnect/reconnect licence that is treated as a Restricted electrical worker's licence (Class 2) as a result of the operation of regulation 42 of those Regulations;

retention tank means any storage receptacle used for the storage and detainment of stormwater;

roof covering means any part of a roof structure that covers a building to provide weatherproofing and prevent the ingress of water but does not include a membrane or insulation;

roofing (stormwater) work has the meaning set out in regulation 27;

routine servicing means the inspection (including survey), testing and preventative maintenance of fire protection equipment carried out in accordance with AS 1851;

SA HB 39 means SA HB 39 Installation code for metal roof and wall cladding, as issued, published or remade from time to time;

SAA/SNZ HB 114 means SAA/SNZ HB 114 Guidelines for the design of eaves and box gutters, published jointly by Standards Australia and Standards New Zealand, as issued, published or remade from time to time;

sanitary work has the meaning set out in regulation 29;

sewage has the same meaning as it has in the **Water Act 1989**;

solar pre-heater means a solar water heater without a booster heating unit;

solar water heater means a system for heating water consisting of—

- (a) a solar collector and a container (including an integral, close coupled or remote container) that heats water by means of radiant energy from the sun and includes—
 - (i) a single container solar water heater with electric or gas boosting; or
 - (ii) 2 or more solar pre-heat containers connected to each other and to an electric booster or a gas booster; or
 - (iii) a solar pre-heater coupled with a conventional storage water heater; or
 - (iv) any other solar powered heater configuration that incorporates a heater referred to in subparagraph (i) and a component referred to in subparagraph (ii); or
- (b) a heat pump water heater;

specialised gasfitting work means any of the following classes of specialised plumbing work—

- (a) type A appliance conversion work; or
- (b) type A appliance servicing work; or
- (c) type B gasfitting advanced work.

stormwater pit means a chamber constructed within a stormwater drain or stormwater main in order to provide access for inspecting, testing or the clearance of obstructions;

subsoil drain means a trench filled with filter material or enhanced by using slotted pipes for the purpose of conveying subsoil water;

tempering valve means a mixing valve that is temperature actuated and is used to temper a hot water supply with cold water to provide hot water at a lower temperature;

temporary heated water service means a heated water service that maintains supply of hot water to a household during the installation of a replacement heated water service;

the Act means the **Building Act 1993**;

thermostatic mixing valve means a mixing valve in which the temperature of the water from the mixed water outlet is automatically controlled by a thermostatic element or sensor to deliver water at a preselected temperature that is suitable for direct contact with the skin;

thermostatic mixing valve work has the meaning set out in regulation 36;

thermal energy load means the amount of thermal energy drawn from a heated water service as hot water;

thermal fluid heater means an appliance that uses an oil or hydrocarbon based heat transfer medium in the liquid phase;

trade waste has the same meaning as it has in the **Water Act 1989**;

type A appliance has the same meaning as it has in the **Gas Safety Act 1997**;

type A appliance conversion work has the meaning set out in regulation 38;

type A appliance servicing work has the meaning set out in regulation 39;

type B appliance has the same meaning as it has in the **Gas Safety Act 1997**;

type B gasfitting advanced work has the meaning set out in regulation 40;

type B gasfitting work has the meaning set out in regulation 31;

Vehicle Standard (Australian Design Rule 42/00—General Safety Requirements) 2006 means Vehicle Standard (Australian Design Rule 42/00—General Safety Requirements) 2006, section 42.11, determined as a vehicle standard under section 7 of the Motor Vehicle Standards Act 1989 of the Commonwealth, as issued, published or remade from time to time;

vessel means any houseboat, yacht or marine craft used for recreation and includes a vessel that is used—

- (a) for hire and reward; or
- (b) as a restaurant or for public entertainment;

water efficient shower head means a shower head with a water efficiency rating of 3 stars or greater as determined in accordance with AS/NZS 6400;

water service includes a service that is connected to a reticulated water supply, a rainwater supply or any other water supply;

water supply work has the meaning set out in regulation 32.

6 Interpretation

- (1) If a provision of any document applied, adopted or incorporated by, or referred to in, these Regulations is inconsistent with any provision in these Regulations, the provision of these Regulations prevails.
 - (2) Subject to the Act and to these Regulations, words and expressions used but not defined in these Regulations have the same meaning as they have in the PCA.
 - (3) A reference to plumbing work in these Regulations, except in Part 6, includes a reference to specialised plumbing work unless a contrary intention expressly appears or the context otherwise requires.
 - (4) In these Regulations, a reference to the installation, replacement, repair or alteration of or in relation to a thing, unless a contrary intention expressly appears or the context otherwise requires, includes—
 - (a) the extension, renewal, relocation, connection, disconnection or removal of the thing; and
 - (b) any work that is incidental to, or associated with, an activity described in this subregulation.
 - (5) In these Regulations, a reference to the commissioning of a thing, unless a contrary intention expressly appears or the context otherwise requires, includes—
 - (a) the recommissioning or decommissioning of the thing; and
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- (b) any work that is incidental to, or associated with, an activity described in this subregulation.
- (6) In these Regulations, a reference to the construction, maintenance or testing of a thing includes any work that is incidental to, or associated with, the construction, maintenance or testing of the thing.
- (7) Words and expressions used in Division 3 of Part 4 and Divisions 3, 4 and 5 of Part 5 of these Regulations but not defined in these Regulations or the PCA have the same meaning as they have in the following standards—
 - (a) AS 3814;
 - (b) AS 4575;
 - (c) AS/NZS 5601.1;
 - (d) AS/NZS 5601.2.

Division 2—Plumbing Code of Australia

7 PCA forms part of these Regulations

Subject to regulation 8, the PCA is adopted by and forms part of these Regulations, as modified by these Regulations.

8 Provisions of the PCA not adopted

- (1) The following Parts of the PCA are not adopted by, and do not form part of, these Regulations—
 - (a) Part D2, to the extent that it relates to the following work—
 - (i) the construction, installation, replacement, repair, alteration, maintenance, testing or commissioning of a subsoil drain;

- (ii) the construction or replacement of stormwater pits or below-ground retention tanks;
- (iii) any design work that is incidental to or associated with any work described in subparagraph (i) or (ii);

(b) Parts F1 and F2.

(2) This regulation expires on 30 April 2019.

9 Modifications to the PCA

- (1) The PCA is to be read as if—
 - (a) a reference to a plumbing or drainage installation were a reference to a plumbing or drainage system; and
 - (b) a reference to a plumbing and drainage installation were a reference to a plumbing and drainage system; and
 - (c) a reference to a plumbing installation were a reference to a plumbing or drainage system.
- (2) The PCA is to be read as if in paragraph (a) of clause A1.3, "relevant document listed in Table A3.1 as that document is issued, published or remade from time to time" were substituted for "edition or issue, together with any amendment listed in Table A3.1".
- (3) The PCA is to be read as if paragraph (d) of clause A1.3 were omitted.

Note

Additional modifications to the PCA are set out in Schedule 2.

Part 2—Plumbing work

Division 1—Classes of plumbing work

10 Classes of plumbing work other than classes of specialised plumbing work

For the purposes of the definition of *class of plumbing work* in section 221B(1) of the Act, the following classes of plumbing work are specified—

- (a) drainage work;
- (b) fire protection work;
- (c) gasfitting work;
- (d) irrigation (non-agricultural) work;
- (e) mechanical services work;
- (f) refrigerated air-conditioning work;
- (g) refrigerated air-conditioning (basic systems) work;
- (h) roofing (stormwater) work;
- (i) sanitary work;
- (j) type B gasfitting work;
- (k) water supply work.

11 Classes of specialised plumbing work

For the purposes of the definition of *class of specialised plumbing work* in section 221B(1) of the Act, the following classes of specialised plumbing work are specified—

- (a) backflow prevention work;
 - (b) thermostatic mixing valve work;
 - (c) type A appliance conversion work;
 - (d) type A appliance servicing work;
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- (e) type B gasfitting advanced work.

Division 2—Plumbing work regulated under Part 12A of the Act

12 What is *plumbing work*?

- (1) For the purposes of section 221C(1) of the Act, the following work (other than work referred to in subregulation (2)) is ***plumbing work***—
 - (a) backflow prevention work;
 - (b) drainage work;
 - (c) fire protection work;
 - (d) gasfitting work;
 - (e) irrigation (non-agricultural) work;
 - (f) mechanical services work;
 - (g) refrigerated air-conditioning work;
 - (h) refrigerated air-conditioning (basic systems) work;
 - (i) roofing (stormwater) work;
 - (j) sanitary work;
 - (k) thermostatic mixing valve work;
 - (l) type A appliance conversion work;
 - (m) type A appliance servicing work;
 - (n) type B gasfitting work;
 - (o) type B gasfitting advanced work;
 - (p) water supply work.
- (2) For the purposes of subregulation (1), the following work is not plumbing work—
 - (a) any work carried out in relation to a supply or discharge reticulation system or a

treatment plant or any equipment, appliance, fixture or system associated with that system or plant (other than any equipment, appliance, fixture or system used mainly for administrative or ablution purposes) owned by, or exclusively vested in—

- (i) a gas company; or
 - (ii) an authority that has a water district or a sewerage district within the meaning of the **Water Act 1989**; or
 - (iii) a council when the work is carried out for the purposes of a stormwater drainage system;
- (b) the internal design, construction, installation, replacement, repair, alteration, maintenance, testing or commissioning of any integral part of an on-site wastewater management system device or an on-site liquid trade waste management system device;
 - (c) the opening or closing of inspection opening caps and covers in sewage, stormwater and waste pipes;
 - (d) the clearing of blockages, or closed circuit television inspection of sewage, stormwater and waste pipes, using existing inspection openings or removable grates;
 - (e) the connection for water use of hoses from appliances such as dishwashers and clothes washing machines to taps;
 - (f) the connection of hoses to taps for the purposes of activities that use water including cleaning or watering a garden;

- (g) the connection of irrigation systems or devices to hose taps for the purposes of watering a garden or irrigation;
- (h) the installation of a refrigerated package appliance that does not require pipework to be installed for its operation; and
- (i) design work that is carried out by a person who is—
 - (i) a building practitioner; or
 - (ii) an architect; or
 - (iii) a draftsman; or
 - (iv) an engineer; or
 - (v) a landscape architect; or
 - (vi) a designer.

13 Plumbing work that may be carried out by unlicensed or unregistered persons

- (1) For the purposes of section 221D(2)(b) of the Act, the change over of a water efficient shower head in a dwelling is plumbing work that may be carried out by a person who is not licensed or registered by the Authority.
- (2) For the purposes of section 221D(2)(b) of the Act, the repair or replacement of tap washers and other minor tap repairs in a dwelling is plumbing work that may be carried out by a person who is not licensed or registered by the Authority whether or not the person owns or occupies the dwelling.

Note

Under section 221D(2)(a) of the Act, a person who is not licensed or registered by the Authority may repair a tap in any dwelling that person owns or occupies.

Part 3—Carrying out plumbing work

14 Carrying out plumbing work

- (1) A registered plumber or a licensed plumber under the Act must—
 - (a) carry out plumbing work in a good and workmanlike manner; and
 - (b) comply with any written direction, instruction, specification or requirement of a manufacturer when carrying out plumbing work.
- (2) A licensed plumber who is supervising the carrying out of plumbing work within the meaning of section 221B(3) of the Act must ensure that the person who is being supervised—
 - (a) carries out the work in a good and workmanlike manner; and
 - (b) complies with any written direction, instruction, specification or requirement of a manufacturer when carrying out plumbing work.
- (3) Subregulations (1)(b) and (2)(b) do not apply if the direction, instruction, specification or requirement of a manufacturer is inconsistent with a requirement of the Act, these Regulations or a document incorporated by these Regulations.

Part 4—Classes of plumbing work other than classes of specialised plumbing work

Division 1—Drainage work

15 What is *drainage work*?

- (1) *Drainage work* is the construction, installation, replacement, repair, alteration, maintenance, relining, testing or commissioning of any part of—
- (a) a below-ground sanitary drainage system from the above-ground sewage or waste pipes to and including—
 - (i) the connection to and from the disposal point; or
 - (ii) the connection with the discharge reticulation system exclusively vested in an authority that has a sewerage district under the **Water Act 1989**; and
 - (b) a below-ground stormwater drainage system from the above-ground stormwater pipes to the point of discharge; and
 - (c) any design work that is incidental to, or associated with, any work described in this subregulation.
- (2) Drainage work does not include—
- (a) the construction, installation, replacement, repair, alteration, maintenance, relining, testing or commissioning of—
 - (i) a subsoil drain for the sole purpose of subsoil water collection; or
 - (ii) stormwater pits, channels that are grated or below-ground retention tanks; or

- (b) any excavation of trenches, excavations using trenchless technology or directional boring.

16 Standards for carrying out drainage work

A licensed or registered plumber must comply with the standards or other requirements (if applicable) set out in Division 1 of Part 1 of Schedule 2 when carrying out drainage work.

Division 2—Fire protection work

17 What is *fire protection work*?

(1) *Fire protection work* is—

- (a) the construction, installation, replacement, repair, alteration, routine servicing, maintenance, testing or commissioning of any part of a water service used for fire fighting, from the point of connection of the service to the water supply up to and including any fire protection equipment forming part of that service; and
- (b) any design work that is incidental to, or associated with, any work described in paragraph (a).

(2) Fire protection work does not include the commissioning of a fire system pumpset.

18 Standards for carrying out fire protection work

A licensed or registered plumber must comply with the standards set out in Division 2 of Part 1 of Schedule 2 when carrying out fire protection work.

Division 3—Gasfitting work

19 What is *gasfitting work*?

- (1) *Gasfitting work* is the construction, installation, replacement, repair, alteration, maintenance, testing or commissioning of any pipe, appliance, flue, fitting, apparatus, control or other item that is involved with the supply or use of gas and that is fitted downstream of the gas supply point and includes—
- (a) any gas appliance in, or on, a caravan or a vessel; and
 - (b) any roof sheeting and flashing that is necessary for the purpose of any work described in this subregulation; and
 - (c) any design work that is incidental to, or associated with, any work described in this subregulation.
- (2) Gasfitting work does not include—
- (a) any specialised gasfitting work; or
 - (b) any type B gasfitting work; or
 - (c) any cleaning, painting or preparation work in relation to gas pipes or gas pipe joints that does not involve the connection, disconnection or alteration of those pipes or joints; or
 - (d) the connection or disconnection of a gas storage container for the purpose of filling or refilling, exchanging, storing or disposing of the container; or
 - (e) any work in relation to an item that is involved with the supply or use of gas that relates to the propulsion system, or any

system that is powered by the propulsion system, of any motor vehicle or vessel.

Division 4—Irrigation (non-agricultural) work

20 What is *irrigation (non-agricultural) work*?

(1) *Irrigation (non-agricultural) work* is—

(a) the construction, installation, replacement, repair, alteration, maintenance, relining, testing or commissioning of any part of an irrigation system from the connection point to the last valve controlling any pressurised zone in the system; and

(b) any design work that is incidental to, or associated with, any work described in paragraph (a).

(2) Irrigation (non-agricultural) work does not include the construction, installation, replacement, repair, alteration, maintenance, relining, testing or commissioning of an irrigation system used for the purposes of agriculture.

Division 5—Mechanical services work

21 What is *mechanical services work*?

(1) *Mechanical services work* is—

(a) the construction, installation, replacement, repair, alteration, maintenance, testing or commissioning of a mechanical heating, cooling or ventilation system in a building, which is associated with the heating, cooling or ventilation of that building and including—

(i) any valve, regulator, register, pipe, duct, flue, tank, heating or cooling pipe

or surface, boiler, burner, solid fuel heater, coil or other item that is used in the system; and

(ii) in the case of a cooling tower, any water pipe, valve, pump, automated dosing device or automated bleeding device or any other mechanical component that affects the cooling tower's cooling water flow rate or wastewater disposal; and

(iii) roof sheeting and flashing that is necessary for the purpose of any work described in this subregulation; and

(b) the construction, installation, replacement, repair, alteration, maintenance, testing or commissioning of any fixed component used in a reticulation system for the supply or removal of medical gases from the gas source to the wall outlet; and

(c) any design work that is incidental to, or associated with, any work described in paragraph (a) or (b).

(2) Mechanical services work does not include—

(a) gasfitting work; or

(b) any work on a cooling tower drift eliminator;
or

(c) any treatment of cooling or heating water; or

(d) any cleaning of a cooling tower; or

(e) disassembly or reassembly of a flue terminal for the purposes of cleaning a solid fuel heater; or

(f) any work on a range hood or non-ducted exhaust fan in a Class 1a building not

requiring roof sheeting or flashing necessary to carry out the work; or

- (g) the connection or disconnection of a system referred to in subregulation (1) from a water supply other than disconnection of the system from a water supply at an isolating valve adjacent to a mechanical component of that system; or
- (h) any work that is within the meaning of refrigerated air conditioning work (basic systems).

22 Standards for carrying out mechanical services work

A licensed or registered plumber must comply with the standards set out in Division 3 of Part 1 of Schedule 2 when carrying out mechanical services work.

Division 6—Refrigerated air-conditioning work

23 What is *refrigerated air-conditioning work*?

(1) *Refrigerated air-conditioning work* is—

- (a) the construction, installation, replacement, repair, alteration, maintenance, testing or commissioning of refrigerated air-conditioning equipment associated with the heating or cooling of a building, including—
 - (i) any compressor, condenser, condensing unit, fan coil unit, fan and air distribution equipment, evaporator, pipework, refrigerant pipework and any tubing, motors and associated controls; and
 - (ii) any ductwork associated with the heating and cooling of a building (other

than ductwork that is also used for ventilation); and

(iii) any roof sheeting and flashing that is necessary for the purpose of any work described in this paragraph; and

(iv) any part of a single head split system, ceiling cassette system or any add-on condenser unit for a ducted system; and

(b) the construction, installation, replacement, repair, alteration, maintenance, testing or commissioning of a split system heat pump water heater; and

(c) any design work that is incidental to, or associated with, any work described in paragraph (a) or (b).

(2) Refrigerated air-conditioning work does not include—

(a) the connection or disconnection of refrigerated air-conditioning equipment from a water supply other than the disconnection of that equipment from a water supply at an isolating valve adjacent to a mechanical component of that equipment; or

(b) any treatment of heating or cooling water; or

(c) the connection or disconnection of a split system heat pump water heater from a water supply.

24 Standards for carrying out refrigerated air-conditioning work

A licensed or registered plumber must comply with the standards set out in Division 4 of Part 1 of Schedule 2 when carrying out refrigerated air-conditioning work.

Division 7—Refrigerated air-conditioning (basic systems) work

25 What is *refrigerated air-conditioning (basic systems) work*?

- (1) *Refrigerated air-conditioning (basic systems) work* is the construction, installation, replacement and commissioning of—
- (a) any part of a single head split system; or
 - (b) a ceiling cassette system; or
 - (c) an add-on condenser unit for a ducted system—

that is associated with the heating and cooling of a building.

- (2) Refrigerated air-conditioning (basic systems) work does not include any servicing, repair, alteration, testing or maintenance of a system referred to in subregulation (1).

26 Standards for carrying out refrigerated air-conditioning (basic systems) work

A licensed or registered plumber must comply with the standards set out in Division 5 of Part 1 of Schedule 2 when carrying out refrigerated air-conditioning (basic systems) work.

Division 8—Roofing (stormwater) work

27 What is *roofing (stormwater) work*?

- (1) *Roofing (stormwater) work* is the construction, installation, replacement, repair, alteration, maintenance, testing or commissioning of any roof covering or roof flashing, or any part of a roof drainage system involved in the collection or disposal of stormwater and includes—

- (a) the connection of any stormwater piping to—
 - (i) a below-ground stormwater drain; or
 - (ii) an on-site retention tank; and
 - (b) any design work that is incidental to, or associated with, any work described in this subregulation.
- (2) Roofing (stormwater) work does not include—
- (a) any cleaning, painting or preparation work in relation to any item, device or equipment involved in the collection or disposal of stormwater other than the connection, disconnection or alteration of that item, device or equipment; or
 - (b) the construction, installation, replacement, repair, alteration, maintenance, testing or commissioning of any roof covering consisting of non-metallic tiles, timber, concrete, glass, bitumen or slate; or
 - (c) any work on a membrane applied to a roof covering or roof flashing; or
 - (d) any work referred to in subregulation (1) that is carried out in relation to a freestanding Class 10a building that has a floor area not exceeding 10 m² except where the Class 10a building requires connection to a below-ground drain or retention tank.

28 Standards for carrying out roofing (stormwater) work

A licensed or registered plumber must comply with the standards set out in Division 6 of Part 1 of Schedule 2 when carrying out roofing (stormwater) work.

Division 9—Sanitary work

29 What is *sanitary work*?

(1) *Sanitary work* is—

- (a) the construction, installation, replacement, repair, alteration, maintenance, relining, testing or commissioning of any part of an above-ground sanitary plumbing system to connect sanitary fixtures and appliances to a disposal system, holding tank, wastewater treatment system or a below-ground sanitary drainage system and includes—
 - (i) any fixture or appliance in, or on, a caravan that is connected to a disposal system or a below-ground sanitary drainage system; and
 - (ii) any fixture or appliance in, or on, a vessel that is connected to a disposal system, holding tank, wastewater treatment system or a below-ground sanitary drainage system; and
 - (iii) any roof sheeting and flashing that is necessary for the purpose of any work described in this subregulation; and
- (b) any design work that is incidental to, or associated with, any work described in paragraph (a).

(2) *Sanitary work* does not include—

- (a) water supply work; or
- (b) drainage work; or
- (c) the installation of a bath or shower base other than the connection of a waste outlet to an above-ground sanitary plumbing system or a below-ground sanitary drainage system.

30 Standards for carrying out sanitary work

A licensed or registered plumber must comply with the standards set out in Division 7 of Part 1 of Schedule 2 when carrying out sanitary work.

Division 10—Type B gasfitting work

31 What is *type B gasfitting work*?

(1) *Type B gasfitting work* is—

- (a) the construction, installation, servicing, maintenance, commissioning, replacement or repair of a single type B appliance of an energy input greater than 10 MJ/h and less than 5000 MJ/h between the connection to the gas isolating valve adjacent to the appliance and any flue connection; and
- (b) the commissioning, construction, installation, servicing and maintenance of a steam boiler or thermal fluid heater of input less than 20 000 MJ/h that forms part of an integrated industrial process between the gas isolating valve adjacent to the appliance and any flue connection, including the repair and replacement of gas components in that appliance.

(2) Type B gasfitting work does not include—

- (a) the adjustment of input parameters on a programmable burner management system associated with a type B appliance; or
- (b) the commissioning of a type B appliance in the absence of manufacturer-supplied commissioning data; or
- (c) any work on a type B appliance where the appliance is associated with volatile solvents or hazardous atmospheres; or

- (d) any work on a component of a type B appliance which is not involved in the supply of gas, use of gas or control of gas related hazards; or
- (e) the positioning of a type B appliance except where it involves a connection to the gas isolating valve; or
- (f) electrical work within the meaning of the **Electrical Safety Act 1998**, that is not involved in the supply of gas, use of gas, or control of gas related hazards.

Division 11—Water supply work

32 What is *water supply work*?

(1) *Water supply work* is—

- (a) the construction, installation, replacement, repair, alteration, relining, maintenance, testing or commissioning of—
 - (i) any part of a heated or cold water service that is connected to a drinking water supply from the point of connection to the water supply to the points of discharge of the service; and
 - (ii) any part of a non-drinking heated or cold water service or rainwater service, from the point of connection to the water supply to the points of discharge of the service; and
 - (iii) any heated water service in or on a caravan or vessel; and
- (b) any design work that is incidental to, or associated with, any work described in paragraph (a).

(2) *Water supply work* does not include—

- (a) work described in subregulation (1) that is carried out in connection with the supply of piped non-drinking water for agricultural purposes unless the water is supplied by a network utility operator or other water provider; or
- (b) the treatment of water used in a heated or cold water service; or
- (c) refrigerated air-conditioning work; or
- (d) refrigerated air-conditioning (basic systems) work; or
- (e) backflow prevention work.

33 Standards for carrying out water supply work

A licensed or registered plumber must comply with the standards or other requirements (if applicable) set out in Division 8 of Part 1 of Schedule 2 when carrying out water supply work.

Part 5—Classes of specialised plumbing work

Division 1—Backflow prevention work

34 What is *backflow prevention work*?

Backflow prevention work is the repair, alteration, maintenance, testing or commissioning of a backflow prevention device, which is capable of being tested and is listed in Column 1 of Table 4.4.1 of AS/NZS 3500.1.

35 Standards for carrying out backflow prevention work

A licensed or registered plumber must comply with the standards set out in Division 1 of Part 2 of Schedule 2 when carrying out backflow prevention work.

Division 2—Thermostatic mixing valve work

36 What is *thermostatic mixing valve work*?

- (1) *Thermostatic mixing valve work* is the repair, alteration, maintenance and testing of a thermostatic mixing valve.
- (2) Thermostatic mixing valve work does not include—
 - (a) the construction, installation, replacement or commissioning of a thermostatic mixing valve; or
 - (b) the construction, installation, replacement, repair, alteration, maintenance, testing or commissioning of a tempering valve.

37 Standards for carrying out thermostatic mixing valve work

A licensed or registered plumber must comply with the standards set out in Division 2 of Part 2

of Schedule 2 when carrying out thermostatic mixing valve work.

Division 3—Type A appliance conversion work

38 What is *type A appliance conversion work*?

Type A appliance conversion work is the adjusting or altering of a type A appliance to operate on a different gas from—

- (a) the gas that the appliance was originally manufactured to use; or
- (b) the gas that the appliance had been previously converted to use.

Division 4—Type A appliance servicing work

39 What is *type A appliance servicing work*?

Type A appliance servicing work is the internal cleaning, maintenance and adjusting of a type A appliance and includes the adjustment, repair or replacement of a component of the type A appliance.

Division 5—Type B gasfitting advanced work

40 What is *type B gasfitting advanced work*?

- (1) *Type B gasfitting advanced work* is the construction, installation, servicing, maintenance and commissioning of a type B appliance of an energy input greater than 10 MJ/h between the connection to the gas isolating valve adjacent to the appliance and any flue connection and includes—
 - (a) the repair, replacement, alteration or modification of the burner and associated safety system; and

- (b) the commissioning of a new, existing or modified gas burner system; and
 - (c) the adjustment of input parameters on a programmable burner management system associated with a type B appliance; and
 - (d) the commissioning of a type B appliance in the absence of manufacturer-supplied commissioning data; and
 - (e) any work on a type B appliance where the appliance is associated with volatile solvents or hazardous atmospheres; and
 - (f) any design work that is incidental to, or associated with, any work described in this subregulation.
- (2) Type B gasfitting advanced work does not include—
- (a) any work on a component of a type B appliance which is not involved in the supply of gas, use of gas or control of gas related hazards; or
 - (b) the positioning of a type B appliance except where it involves a connection to the gas isolating valve; or
 - (c) electrical work within the meaning of the **Electrical Safety Act 1998**, that is not involved in the supply of gas, use of gas or control of gas related hazards.

Part 6—Eligibility requirements for licence or registration

41 Prescribed class of plumbing work required to carry out specialised plumbing work

- (1) For the purposes of section 221N(1)(a) of the Act, to be able to be licensed to carry out a particular class of specialised plumbing work set out in Column 2 of the Table in Schedule 3, a person must be a licensed plumber in respect of a class of plumbing work set out in Column 4 of that Table corresponding to that class of specialised plumbing work.
- (2) For the purposes of section 221OA(1)(a) of the Act, to be able to be registered to carry out a particular class of specialised plumbing work set out in Column 2 of the Table in Schedule 3, a person must be a registered plumber in respect of a class of plumbing work set out in Column 3 of that Table corresponding to that class of specialised plumbing work.

42 Qualifications and experience required for classes of plumbing work other than classes of specialised plumbing work

- (1) For the purposes of section 221M(1)(b)(i) of the Act, to be able to be licensed to carry out a particular class of plumbing work, a person must have the qualifications and experience set out in the Division relevant to that class in Part 1 of Schedule 4.
- (2) For the purposes of section 221O(1)(a) of the Act, to be able to be registered to carry out a particular class of plumbing work, a person must have the qualifications and experience set out in the Division relevant to that class in Part 1 of Schedule 4.

43 Qualifications required for classes of specialised plumbing work

- (1) For the purposes of section 221N(1)(b)(i) of the Act, to be able to be licensed to carry out a particular class of specialised plumbing work, a person must have the qualifications set out in the Division relevant to that class in Part 2 of Schedule 4.
- (2) For the purposes of section 221OA(1)(b)(i) of the Act, to be able to be registered to carry out a particular class of specialised plumbing work, a person must have the qualifications set out in the Division relevant to that class in Part 2 of Schedule 4.

44 Undertaking practical experience

The practical experience required in Part 1 of Schedule 4 for a class of plumbing work must be undertaken under the supervision of a person who is licensed to carry out work of that class.

45 Exception to experience requirements where application is made to be registered in another class of plumbing work

- (1) Despite regulation 42, if—
 - (a) a person is already licensed or registered to carry out a particular class of plumbing work; and
 - (b) the person makes an application under section 221T of the Act to be registered to carry out another class of plumbing work; and
 - (c) the person has at least 1 year of practical experience in the class of plumbing work that is the subject of the person's application—
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the person is taken to have the experience required to be able to be registered to carry out that other class of plumbing work.

- (2) Subregulation (1) does not apply if the person is only licensed or registered in one or more of the following classes of plumbing work—
- (a) drainage work;
 - (b) irrigation (non-agricultural) work;
 - (c) refrigerated air-conditioning (basic systems) work.

46 Experience may be obtained over separate periods and under supervision of different licensed plumbers and employers

For the purposes of this Part, a person may obtain the experience required to be able to be licensed or registered to carry out a class of plumbing work under section 221M or 221O of the Act or a class of specialised plumbing work under section 221N or 221OA of the Act—

- (a) over more than one period of time; and
- (b) under the supervision of one or more licensed plumbers; and
- (c) with one or more employers.

47 Authority may approve competency units

- (1) For the purposes of this Part, the Authority may from time to time approve one or more competency units required to be completed in order to be eligible to apply for a licence or registration to carry out a class of plumbing work or a class of specialised plumbing work.
- (2) Despite subregulation (1), the competency units the Authority may approve must be contained in a Certificate II course or higher relating to a class of
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plumbing work or a class of specialised plumbing work.

- (3) The Authority may from time to time amend the competency units approved under subregulation (1) with respect to a class of plumbing work or a class of specialised plumbing work.
- (4) The Authority must publish in the Government Gazette—
 - (a) an up-to-date list of the competency units approved under this regulation with respect to a class of plumbing work or a class of specialised plumbing work; and
 - (b) the date that those units or amendments to those units come into effect.

Part 7—Fees and other amounts

48 Fees

For the purposes of Part 12A of the Act, the fee for a matter set out in Column 2 of the Table in Schedule 5 is the amount set out in Column 3 of that Table corresponding to that matter.

49 Value of plumbing work

For the purposes of section 221ZH(1)(a) of the Act, the amount fixed is \$750.

50 Maximum amount the Authority may charge for a compliance certificate form

For the purposes of section 221ZN(5) of the Act, the maximum amount the Authority may charge to sell a compliance certificate form to a licensed plumber is 2.43 fee units.

51 Exemption from fees

The Authority may wholly or partially exempt a person from having to pay a fee prescribed in this Part if, in its opinion, there are special circumstances.

Part 8—Transitional provisions

52 Definitions

In this Part—

commencement day means 18 November 2018;

former class of plumbing work means a class of plumbing work under the Plumbing Regulations 2008;

former specialised class of plumbing work means a class of specialised plumbing work under the Plumbing Regulations 2008.

53 Former class of plumbing work taken to be class or type of plumbing work under these Regulations

A former class of plumbing work set out in Column 2 of Table 1 in Schedule 6, as in force immediately before the commencement day, is taken to be, on and after the commencement day, for the purposes of the Regulations—

- (a) a class of plumbing work set out in Column 3 of that Table corresponding to that former class of plumbing work; and
- (b) if applicable, a type of plumbing work that falls within a class of plumbing work set out in Column 3 of that Table corresponding to that former class of plumbing work.

54 Former class of specialised plumbing work taken to be class of specialised plumbing work or type of plumbing work under these Regulations

A former class of specialised plumbing work set out in Column 2 of Table 2 in Schedule 6, as in force immediately before the commencement day, is taken to be, on and after the commencement day, for the purposes of these Regulations—

- (a) a class of specialised plumbing work set out in Column 3 of that Table corresponding to that former class of specialised class of plumbing work; and
- (b) if applicable, a type of plumbing work that falls within a class of specialised plumbing work set out in Column 3 of that Table corresponding to that former specialised class of plumbing work.

55 Former class of specialised plumbing work taken to be class of plumbing work or type of plumbing work under these Regulations

A former class of specialised plumbing work set out in Column 2 of Table 3 in Schedule 6, as in force immediately before the commencement day, is taken to be, on and after the commencement day, for the purposes of these Regulations—

- (a) a class of plumbing work set out in Column 3 of that Table corresponding to that former class of specialised plumbing work; and
- (b) if applicable, a type of plumbing work that falls within a class of plumbing work set out in Column 3 of that Table corresponding to that former specialised class of plumbing work.

56 Persons licensed to carry out a former class of plumbing work or former class of specialised plumbing work taken to be licensed to carry out class of plumbing work or class of specialised plumbing work under these Regulations

- (1) This regulation applies if before the commencement day—
 - (a) a person was licensed under section 221M or 221N of the Act; and

- (b) the licence was not cancelled under the Act.
- (2) A person who was licensed to carry out a former class of plumbing work set out in Column 2 of Table 1 in Schedule 6 is taken to be, on and after the commencement day, for the purposes of these Regulations—
- (a) licensed to carry out a class of plumbing work set out in Column 3 of that Table corresponding to that former class of plumbing work; and
 - (b) if applicable, licensed under section 221Q of the Act to carry out the type of plumbing work that falls within a class of plumbing work set out in Column 3 of that Table corresponding to that former class of plumbing work.
- (3) A person who was licensed to carry out a former class of specialised plumbing work set out in Column 2 of Table 2 in Schedule 6 is taken to be, on and after the commencement day, for the purposes of these Regulations—
- (a) licensed to carry out a class of specialised plumbing work set out in Column 3 of that Table corresponding to that former class of specialised plumbing work; and
 - (b) if applicable, licensed under section 221Q of the Act to carry out the type of plumbing work that falls within a class of specialised plumbing work set out in Column 3 of that Table corresponding to that former class of specialised plumbing work.
- (4) For the purposes of these Regulations, a person who is taken to be licensed to carry out a class of plumbing work set out in Column 3 of Table 1 in Schedule 6 or a class of specialised plumbing
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work set out in Column 3 of Table 2 in Schedule 6 continues to be licensed until the earlier of—

- (a) the licence expires in accordance with section 221Z of the Act; or
- (b) the licence is cancelled under the Act.

57 Persons registered to carry out former class of plumbing work or former class of specialised plumbing work taken to be registered to carry out class of plumbing work or specialised plumbing work under these Regulations

- (1) This regulation applies if before the commencement day—
 - (a) a person was registered under section 221O or 221OA of the Act; and
 - (b) the registration was not cancelled under the Act.
- (2) A person who was registered to carry out a former class of plumbing work set out in Column 2 of Table 1 in Schedule 6 is taken to be, on and after the commencement day, for the purposes of these Regulations—
 - (a) registered to carry out a class of plumbing work set out in Column 3 of that Table corresponding to that former class of plumbing work; and
 - (b) if applicable, registered under section 221R of the Act to carry out a type of plumbing work that falls within a class of plumbing work set out in Column 3 of that Table corresponding to that former class of plumbing work.
- (3) A person who was registered to carry out a former class of specialised plumbing work set out in Column 2 of Table 2 in Schedule 6 is taken to be,

on and after the commencement day, for the purposes of these Regulations—

- (a) registered to carry out a class of specialised plumbing work set out in Column 3 of that Table corresponding to that former class of specialised plumbing work; and
 - (b) if applicable, registered under section 221R of the Act to carry out a type of plumbing work that falls within a class of specialised plumbing work set out in Column 3 of that Table corresponding to that former class of specialised plumbing work.
- (4) For the purposes of these Regulations, a person who is taken to be registered to carry out a class of plumbing work set out in Column 3 of Table 1 in Schedule 6 or a class of specialised plumbing work set out in Column 3 of Table 2 in Schedule 6 continues to be registered until the earlier of—
- (a) the registration expires in accordance with section 221Z of the Act; or
 - (b) the registration is cancelled under the Act.

58 Persons who are eligible to be licensed or registered to carry out former class of plumbing work or former class of specialised plumbing work

- (1) This regulation applies if before the commencement day—
- (a) a person made an application under section 221T to be licensed or registered to carry out—
 - (i) a former class of plumbing work set out in Column 2 of Table 1 in Schedule 6; or

- (ii) a former class of specialised plumbing work set out in Column 2 of Table 2 in Schedule 6; and
 - (b) the application had not yet been finalised by the Authority.
 - (2) A person referred to in subregulation (1) who was eligible to be licensed in accordance with section 221M of the Act to carry out a former class of plumbing work set out in Column 2 of Table 1 in Schedule 6 is taken to be, on and after the commencement day, for the purposes of the Regulations, eligible to be licensed under section 221M of the Act to carry out the class of plumbing work set out in Column 3 of that Table corresponding to that former class of plumbing work.
 - (3) A person referred to in subregulation (1) who was eligible to be licensed in accordance with section 221N of the Act to carry out a former class of specialised plumbing work set out in Column 2 of Table 2 in Schedule 6 is taken to be, on and after the commencement day, for the purposes of the Regulations, eligible to be licensed under section 221N of the Act to carry out the class of specialised plumbing work set out in Column 3 of that Table corresponding to that former class of specialised plumbing work.
 - (4) A person referred to in subregulation (1) who was eligible to be registered in accordance with section 221O of the Act to carry out a former class of plumbing work set out in Column 2 of Table 1 in Schedule 6 is taken to be, on and after the commencement day, for the purposes of these Regulations, eligible to be registered under section 221O of the Act to carry out a class of plumbing work prescribed under these Regulations set out in
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Column 3 of that Table corresponding to that former class of plumbing work.

- (5) A person referred to in subregulation (1) who was eligible to be registered in accordance with section 221OA of the Act to carry out a former class of specialised plumbing work set out in Column 2 of Table 2 in Schedule 6 is taken to be, on and after the commencement day, for the purposes of these Regulations, eligible to be registered under section 221OA of the Act to carry out a class of specialised plumbing work prescribed under these Regulations set out in Column 3 of that Table corresponding to that former class of specialised plumbing work.

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Schedules

Schedules

Schedule 1—Revocations

Regulation 4

<i>S.R. No.</i>	<i>Title</i>
136/2008	Plumbing Regulations 2008
82/2009	Plumbing Amendment Regulations 2009
51/2010	Plumbing Amendment (Fees) Regulations 2010
14/2011	Plumbing Amendment Regulations 2011
21/2011	Plumbing Further Amendment Regulations 2011
49/2011	Plumbing Amendment (Fees) Regulations 2011
64/2012	Plumbing Amendment (Fees) Regulations 2012
113/2012	Plumbing Amendment Regulations 2012
81/2013	Plumbing Amendment (Fees) Regulations 2013
60/2014	Plumbing Amendment Regulations 2014
31/2016	Plumbing Amendment Regulations 2016

Schedule 2—Standards in relation to plumbing work

Regulations 16, 18, 22, 24, 26,
28, 30, 33, 35 and 37

Part 1—Standards for classes of plumbing work other than specialised plumbing work

Division 1—Drainage work

1 Standards for the laying of below ground sanitary drains

- (1) For the purposes of regulation 16, work in relation to a below ground sanitary drain must comply with Clause 3.2 of AS/NZS 3500.2, wherever practicable.
- (2) Where a below ground sanitary drain is unable to comply with subclause (1), the below ground sanitary drain must—
 - (a) be laid as a straight line of drain with no branches or changes in direction; and
 - (b) be constructed of a material that complies with the requirements in Section 2 of AS/NZS 3500.2; and
 - (c) have inspection openings with shafts terminating at the finished surface level, installed in permanently accessible positions, in the open air at the upstream entry and downstream exit points.

Note

Below ground sanitary drains should be located external to the building.

Division 2—Fire protection work

2 Standards for fire protection work

For the purposes of regulation 18, fire protection work must comply with the following standards—

- (a) AS/NZS 1530.3;
- (b) AS 4118.1.1;
- (c) AS 4118.1.2;
- (d) AS 4118.1.3;
- (e) AS 4118.1.4;
- (f) AS 4118.1.5;
- (g) AS 4118.1.6;
- (h) AS 4118.1.7;
- (i) AS 4118.1.8;
- (j) AS 2941;
- (k) AS 2118.2;
- (l) AS 2118.3;
- (m) AS 2118.8;
- (n) AS 2118.10;
- (o) AS 1851.

Division 3—Mechanical services work

3 Standards for mechanical services work

For the purposes of regulation 22, mechanical services work must comply with the following standards—

- (a) AS/NZS 2918;
- (b) AS 2896;
- (c) AS 2473.3;

- (d) AS 2568;
- (e) AS 2902;
- (f) AS/NZS 4859.1.

Division 4—Refrigerated air-conditioning work

4 Standards for refrigerated air-conditioning work

For the purposes of regulation 24, refrigerated air-conditioning work must comply with the following standards—

- (a) AS/NZS ISO 817;
- (b) AS/NZS ISO 5149.1;
- (c) AS/NZS ISO 5149.2;
- (d) AS/NZS ISO 5149.3;
- (e) AS/NZS ISO 5149.4;
- (f) HB 276;
- (g) Australia and New Zealand Refrigerant handling code of practice 2007 Part 1;
- (h) Australia and New Zealand Refrigerant handling code of practice 2007 Part 2.

Division 5—Refrigerated air-conditioning (basic systems) work

5 Standards for refrigerated air-conditioning (basic systems) work

For the purposes of regulation 26, refrigerated air-conditioning (basic systems) work must comply with the following standards—

- (a) AS/NZS ISO 817;
- (b) AS/NZS ISO 5149.1;
- (c) AS/NZS ISO 5149.2;

- (d) AS/NZS ISO 5149.3;
- (e) AS/NZS ISO 5149.4;
- (f) HB 276;
- (g) Australia and New Zealand Refrigerant handling code of practice 2007 Part 1;
- (h) Australia and New Zealand Refrigerant handling code of practice 2007 Part 2.

Division 6—Roofing (stormwater) work

6 Standards for roofing (stormwater) work

For the purposes of regulation 28, roofing (stormwater) work must comply with the following standards—

- (a) SA HB 39;
- (b) AS 1562.3;
- (c) SAA/SNZ HB 114.

Division 7—Sanitary work

7 Standards for sanitary work

For the purposes of regulation 30—

- (a) sanitary work on a vessel operated on inland waters must comply with AS 4995;
- (b) sanitary work on a caravan must comply with Vehicle Standard (Australian Design Rule 42/00—General Safety Requirements) 2006.

Division 8—Water supply work

8 Water meter must be installed in water supply to cooling tower

If required by the relevant network utility operator, a water meter must be installed in a

water supply system that supplies water to a cooling tower.

9 Standards where rainwater used for sanitary flushing

- (1) If a reticulated water supply from a network utility operator is connected, or proposed to be connected to a building where a rainwater tank is installed for the purpose of sanitary flushing, an automatic or manual interchange device that allows alternate use of water from the rainwater tank or the reticulated water supply must be installed to ensure that there is a continual supply of water for sanitary flushing.
- (2) A rainwater tank installed in a new Class 1 building in order to comply with the requirements of the Building Regulations must—
 - (a) be installed in such a way that it receives the rainfall from a minimum catchment area of 50 square metres; and
 - (b) have a minimum capacity of 2000 litres; and
 - (c) be connected to all toilets in the building for the purpose of sanitary flushing in accordance with subclause (1).

Note

The Victorian variation to the energy efficiency provisions of the Building Code of Australia (as incorporated by the Building Regulations) provides that the energy efficiency performance requirement for a new Class 1 building is satisfied if either a rainwater tank is connected to all sanitary flushing systems or a solar water heater is installed in accordance with these Regulations.

10 Standards relating to solar water heaters—all buildings

- (1) The solar collectors contained in a solar water heater installed in a building must—
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- (a) be oriented to face between 30 degrees east and 60 degrees west of magnetic north; and
- (b) have an inclination of 35 degrees plus or minus 20 degrees to the horizontal.

Note

For additional requirements relating to a solar water heater installed in a Class 1 building, see clauses 12, 13 and 14 of this Part.

- (2) Subclause (1) does not apply to a new Class 1 building if—
 - (a) a solar water heater is installed in the building in order to comply with the Building Regulations; and
 - (b) the solar water heater installed is evaluated and performs to the standard required under clause 12(1); and
 - (c) it is not practicable to comply with subclause (1).
- (3) Subclause (1) does not apply to an existing Class 1 building if—
 - (a) a solar water heater is installed in the building in order to comply with clause 13; and
 - (b) the solar water heater installed is evaluated and performs to the standard required under clause 13(4)(b); and
 - (c) it is not practicable to comply with subclause (1).

11 Standards relating to solar water heaters—all Class 1 buildings

- (1) The annual energy performance of a solar water heater installed in a Class 1 building, if evaluated in accordance with AS/NZS 4234, must be

evaluated in accordance with that standard as modified by subclause (2).

(2) For the purposes of subclause (1), AS/NZS 4234 is to be read as if—

(a) the following clause were inserted after clause 1.4.17—

"1.4.17A Solar water heater

A system for heating water consisting of—

- (a) a solar collector and a container (including an integral, close coupled or remote container) that heats water by means of radiant energy from the sun and includes—
 - (i) a single container solar water heater with electric or gas boosting; or
 - (ii) 2 or more solar pre-heat containers connected to each other and to an electric booster or gas booster; or
 - (iii) a solar pre-heater coupled with a conventional storage water heater; or
 - (iv) any other solar powered heater configuration that incorporates a heater referred to in subparagraph (i) and a component referred to in subparagraph (ii); or
- (b) a heat pump water heater."; and

- (b) the following clause were inserted after clause 3.3—

**"3.3A THERMAL ENERGY LOADS FOR
EVALUATING SOLAR WATER
HEATERS IN CLASS 1
BUILDINGS**

Despite clause 3.3, the following load and environmental conditions in Appendix A must be adopted for evaluating the annual energy use of a solar water heater installed in a Class 1 building—

- (a) Climate zone 4 for all simulation model inputs;
 - (b) for a building with less than 3 bedrooms—the small system peak daily thermal energy load, as set out in Table A3;
 - (c) for a building with 3 or more bedrooms—the medium system peak daily thermal energy load, as set out in Table A3;
 - (d) the collector inclination and azimuth modelled to the North orientation, as set out in Table A1."
- (3) A solar water heater installed in a Class 1 building must have attached to the heater's water heater storage container a legible label that is in the following form and contains the information required to complete the label—

"This solar water heater installation complies with the Plumbing Regulations 2018 (Victoria) when installed with the following collectors

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<i>No. of bedrooms in building</i>	<i>1-2</i>	<i>3 or more</i>
Number of collectors installed in building		
Model number of each collector installed in building		

".

- (4) Subclause (3) does not apply to a heat pump water heater.

12 Standards relating to solar water heaters—new Class 1 buildings

- (1) A solar water heater installed in a new Class 1 building, in order to comply with the requirements of the Building Regulations, must—
- (a) have its annual energy performance evaluated in accordance with AS/NZS 4234 as modified by clause 11(2); and
 - (b) perform to a standard under which the energy savings, relative to a conventional water heater, are 60% or more when so evaluated.
- (2) If a reticulated gas supply from a gas company is available for connection to a new Class 1 building, a solar water heater installed in that building must be—
- (a) if the solar water heater incorporates booster heating and is not a heat pump water heater—a gas boosted solar water heater; and
 - (b) if the solar water heater is a heat pump water heater—installed so that no part of the heater that is capable of heating water can be connected to the mains electricity supply in order for that part of the heater to operate.

Note

The Victorian variation to the energy efficiency provisions of the Building Code of Australia (as incorporated by the Building Regulations) provides that the energy efficiency performance requirement for a new Class 1 building is satisfied if either a rainwater tank is connected to all sanitary flushing systems or a solar water heater is installed in accordance with these Regulations.

13 Standards relating to replacement water heaters—existing Class 1 buildings

- (1) A replacement water heater installed in an existing Class 1 building must not exceed the annual greenhouse performance benchmark of 100g CO₂-e/MJ of thermal energy load when evaluated in accordance with subclauses (2) and (3) unless—
 - (a) a temporary heated water service is installed for no more than 60 days; or
 - (b) the water heater is installed so that no part of the heater that is capable of heating water can be connected to the mains electricity supply in order for that part of the heater to operate; or
 - (c) the water heater is being replaced under a manufacturer, supplier or installer warranty; or
 - (d) an electric resistance water heater is installed in accordance with AS/NZS 4692.1, with hot water delivery of not more than 50 litres and the electric resistance water heater—
 - (i) is installed in a one bedroom Class 1 building; or
 - (ii) is installed as a secondary heated water service in a Class 1 building, where there is an existing heated water service installed in accordance with clause 13(1) or (4).

- (2) The annual greenhouse gas emissions intensity of the replacement water heater in subclause (1) is the sum of the annual greenhouse gas emissions from each energy source in grams of CO₂-e divided by the annual thermal energy load of the water heater determined in accordance with AS/NZS 4234 for Climate zone 4.
- (3) The annual greenhouse gas emissions from each energy source in subclause (2) is the product of—
 - (a) the annual amount of energy consumed from that energy source; and
 - (b) the emission factor of—
 - (i) for a heated water service using electricity, 272 g CO₂-e/MJ; or
 - (ii) for a heated water service using natural gas, 61 g CO₂-e/MJ; or
 - (iii) for a heated water service using liquefied petroleum gas, 65 g CO₂-e/MJ; or
 - (iv) for a heated water service using wood or biomass, 4 g CO₂-e/MJ.
- (4) A water heater is deemed to comply with subclause (1) if—
 - (a) a gas water heater rated not less than 5 stars in accordance with AS/NZS 4552.2 is installed; or
 - (b) a solar water heater is installed that meets the following performance requirements—
 - (i) if the solar water heater is installed in a building with 2 or less bedrooms—an energy saving of not less than 60% in accordance with AS/NZS 4234 for a

- "small" load system in Climate zone 4;
or
- (ii) if the solar water heater is installed in a building with 3 or more bedrooms—an energy saving of not less than 60% in accordance with AS/NZS 4234 for a "medium" load system in Climate zone 4; or
- (c) a heat pump water heater is installed outside Climate zone 5 that meets the following performance requirements—
- (i) if the heat pump water heater is installed in a building with 2 or less bedrooms—an energy saving of not less than 60% in accordance with AS/NZS 4234 for a "small" load system in Climate zone 4; or
 - (ii) if the heat pump water heater is installed in a building with 3 or more bedrooms—an energy saving of not less than 60% in accordance with AS/NZS 4234 for a "medium" load system in Climate zone 4; or
- (d) a heat pump water heater is installed in Climate zone 5 that meets the following performance requirements—
- (i) if the heat pump water heater is installed in a building with 2 or less bedrooms—an energy saving of not less than 50% in accordance with AS/NZS 4234 for a "small" load system in Climate zone 5; or
 - (ii) if the heat pump water heater is installed in a building with 3 or more bedrooms—an energy saving of not

less than 50% in accordance with AS/NZS 4234 for a "medium" load system in Climate zone 5.

Note

Section 48A(5) of the **Environment Protection Act 1970** and regulations made under that Act prohibit the emission of noise by a heat pump water heater if the noise is emitted from a residential premises at a time which is prescribed as a prohibited time and the noise can be heard in a habitable room in any other residential premises. The risk of non-compliance may be minimised if the heat pump water heater is appropriately located in the residential premises and/or has low noise levels.

14 Standards relating to water closets—all buildings

- (1) If a water point is to be installed adjacent to a water closet and the water point is not connected to a sanitary fixture, the water point must be protected by high hazard backflow prevention measure.
- (2) Subclause (1) does not apply to a water point installed for the use of a hose tap adjacent to urinals to be used in men's public toilets in compliance with the Victorian variation to clause B1.2 of the Plumbing Code of Australia.

Part 2—Standards for classes of specialised plumbing work

Division 1—Backflow prevention work

15 Standards for backflow prevention work

For the purposes of regulation 35, backflow prevention work must comply with AS 2845.2.

Division 2—Thermostatic mixing valve work

16 Standards for thermostatic mixing valve work

For the purposes of regulation 37, thermostatic mixing valve work must comply with AS 4032.3.

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Schedule 3—Class of plumbing work required to carry out a class of specialised plumbing work

Schedule 3—Class of plumbing work required to carry out a class of specialised plumbing work

Regulation 41

<i>Column 1</i>	<i>Column 2</i>	<i>Column 3</i>	<i>Column 4</i>
<i>Item number</i>	<i>Class of specialised plumbing work</i>	<i>Class of plumbing work for registration for the purposes of section 221OA(1)(a) of the Act</i>	<i>Class of plumbing work for a licence for the purposes of section 221N(1)(a) of the Act</i>
1	Backflow prevention work	Water supply work	Water supply work
2	Thermostatic mixing valve work	Water supply work	Water supply work
3	Type A appliance conversion work	Gasfitting work	Gasfitting work
4	Type A appliance servicing work	Gasfitting work	Gasfitting work
5	Type B gasfitting advanced work	Type B gasfitting work	Type B gasfitting work

Schedule 4—Qualifications and experience requirements for licence or registration

Regulations 42 and 43

Part 1—Qualifications and experience required in respect of classes of plumbing work other than classes of specialised plumbing work

Division 1—Drainage work

1 Qualifications and experience required for licensing in drainage work

- (1) The qualifications required to be able to be licensed to carry out drainage work under section 221M(1)(b)(i) of the Act are the successful completion of—
 - (a) the approved competency units for drainage work; and
 - (b) the Authority’s examination of licensing competencies for drainage work.
- (2) The experience required to be able to be licensed to carry out drainage work under section 221M(1)(b)(i) of the Act is—
 - (a) at least 3 years of practical experience in drainage work; or
 - (b) at least 1 year of practical experience in drainage work and the successful completion of an apprenticeship under the supervision of a plumber who is licensed in drainage work.

2 Qualifications and experience required for registration in drainage work

- (1) The qualifications required to be able to be registered to carry out drainage work under section 221O(1)(a) of the Act are the successful completion of—
 - (a) a Certificate II course or higher relating to plumbing that includes the approved competency units for drainage work; and
 - (b) the Authority’s examination of registration competencies for drainage work.
- (2) The experience required to be able to be registered to carry out drainage work under section 221O(1)(a) of the Act is—
 - (a) the successful completion of an apprenticeship under the supervision of a plumber who is licensed in drainage work; or
 - (b) at least 2 years of practical experience in drainage work.

Division 2—Fire protection work

3 Qualifications and experience required for licensing in fire protection work

- (1) The qualifications required to be able to be licensed to carry out fire protection work under section 221M(1)(b)(i) of the Act are the successful completion of—
 - (a) the approved competency units for fire protection work; and
 - (b) the Authority’s examination of licensing competencies for fire protection work.

- (2) The experience required to be able to be licensed to carry out fire protection work under section 221M(1)(b)(i) of the Act is—
- (a) at least 6 years of practical experience in fire protection work; or
 - (b) at least 2 years of practical experience in fire protection work and the successful completion of an apprenticeship under the supervision of a plumber who is licensed in fire protection work.

4 Qualifications and experience required for registration in fire protection work

- (1) The qualifications required to be able to be registered to carry out fire protection work under section 221O(1)(a) of the Act are the successful completion of—
- (a) a Certificate III course relating to plumbing that includes the approved competency units for fire protection work; and
 - (b) the Authority’s examination of registration competencies for fire protection work.
- (2) The experience required to be able to be registered to carry out fire protection work under section 221O(1)(a) of the Act is—
- (a) the successful completion of an apprenticeship under the supervision of a plumber who is licensed in fire protection work; or
 - (b) at least 4 years of practical experience in fire protection work.

Division 3—Gasfitting work

5 Qualifications and experience required for licensing in gasfitting work

- (1) The qualifications required to be able to be licensed to carry out gasfitting work under section 221M(1)(b)(i) of the Act are the successful completion of—
 - (a) the approved competency units for gasfitting work; and
 - (b) the Authority’s examination of licensing competencies for gasfitting work.
- (2) The experience required to be able to be licensed to carry out gasfitting work under section 221M(1)(b)(i) of the Act is—
 - (a) at least 6 years of practical experience in gasfitting work; or
 - (b) at least 2 years of practical experience in gasfitting work and the successful completion of an apprenticeship under the supervision of a plumber who is licensed in gasfitting work.

6 Qualifications and experience required for registration in gasfitting work

- (1) The qualifications required to be able to be registered to carry out gasfitting work under section 221O(1)(a) of the Act are the successful completion of—
 - (a) a Certificate III course relating to plumbing that includes the approved competency units for gasfitting work; and
 - (b) the Authority’s examination of registration competencies for gasfitting work.

- (2) The experience required to be able to be registered to carry out gasfitting work under section 221O(1)(a) of the Act is—
- (a) the successful completion of an apprenticeship under the supervision of a plumber who is licensed in gasfitting work; or
 - (b) at least 4 years of practical experience in gasfitting work.

Division 4—Irrigation (non-agricultural) work

7 Qualifications and experience required for licensing in irrigation (non-agricultural) work

- (1) The qualifications required to be able to be licensed to carry out irrigation (non-agricultural) work under section 221M(1)(b)(i) of the Act are the successful completion of—
- (a) the approved competency units for licensing in irrigation (non-agricultural) work; and
 - (b) the Authority’s examination of licensing competencies for irrigation (non-agricultural) work.
- (2) The experience required to be able to be licensed to carry out irrigation (non-agricultural) work under section 221M(1)(b)(i) of the Act is—
- (a) at least 3 years of practical experience in irrigation (non-agricultural) work; or
 - (b) at least 1 year of practical experience in irrigation (non-agricultural) work and the successful completion of an apprenticeship under the supervision of a plumber who is licensed in irrigation (non-agricultural) work.

8 Qualifications and experience required for registration in irrigation (non-agricultural) work

- (1) The qualifications required to be able to be registered to carry out irrigation (non-agricultural) work under section 221O(1)(a) of the Act are the successful completion of—
 - (a) a Certificate II course or higher relating to plumbing that includes the approved competency units for irrigation (non-agricultural) work; and
 - (b) the Authority’s examination of registration competencies for irrigation (non-agricultural) work.
- (2) The experience required to be able to be registered to carry out irrigation (non-agricultural) work under section 221O(1)(a) of the Act is—
 - (a) the successful completion of an apprenticeship under the supervision of a plumber who is licensed in irrigation (non-agricultural) work; or
 - (b) at least 2 years of practical experience in irrigation (non-agricultural) work.

Division 5—Mechanical services work

9 Qualifications and experience required for licensing in mechanical services work

- (1) The qualifications required to be able to be licensed to carry out mechanical services work under section 221M(1)(b)(i) of the Act are the successful completion of—
 - (a) the approved competency units for licensing in mechanical services work; and
 - (b) the Authority’s examination of licensing competencies for mechanical services work.

- (2) The experience required to be able to be licensed to carry out mechanical services work under section 221M(1)(b)(i) of the Act is—
 - (a) at least 5 years of practical experience in mechanical services work; or
 - (b) at least 1 year of practical experience in mechanical services work and the successful completion of an apprenticeship under the supervision of a plumber who is licensed in mechanical services work.

10 Qualifications and experience required for registration in mechanical services work

- (1) The qualifications required to be able to be registered to carry out mechanical services work under section 221O(1)(a) of the Act are the successful completion of—
 - (a) a Certificate III course relating to plumbing that includes the approved competency units for mechanical services work; and
 - (b) the Authority’s examination of registration competencies for mechanical services work.
- (2) The experience required to be able to be registered to carry out mechanical services work under section 221O(1)(a) of the Act is—
 - (a) the successful completion of an apprenticeship under the supervision of a plumber who is licensed in mechanical services work; or
 - (b) at least 4 years of practical experience in mechanical services work.

Division 6—Refrigerated air-conditioning work

11 Qualifications and experience required for licensing in refrigerated air-conditioning work

- (1) The qualifications required to be able to be licensed to carry out refrigerated air-conditioning work under section 221M(1)(b)(i) of the Act are the successful completion of—
 - (a) the approved competency units for refrigerated air-conditioning work; and
 - (b) the Authority’s examination of licensing competencies for refrigerated air-conditioning work.
- (2) The experience required to be able to be licensed to carry out refrigerated air-conditioning work under section 221M(1)(b)(i) of the Act is—
 - (a) at least 6 years of practical experience in refrigerated air-conditioning work; or
 - (b) at least 2 years of practical experience in refrigerated air-conditioning work and the successful completion of an apprenticeship under the supervision of a plumber who is licensed in refrigerated air-conditioning work.

12 Qualifications and experience required for registration in refrigerated air-conditioning work

- (1) The qualifications required to be able to be registered to carry out refrigerated air-conditioning work under section 221O(1)(a) of the Act are—
 - (a) a Restricted electrical worker’s licence (Class 2); and
 - (b) the successful completion of—

- (i) a Certificate III course relating to plumbing that includes the approved competency units for refrigerated air-conditioning work; or
 - (ii) the Authority’s examination of registration competencies for refrigerated air-conditioning work.
- (2) The experience required to be able to be registered to carry out refrigerated air-conditioning work under section 221O(1)(a) of the Act is—
- (a) the successful completion of an apprenticeship under the supervision of a plumber who is licensed in refrigerated air-conditioning work; or
 - (b) at least 4 years of practical experience in refrigerated air-conditioning work.

Division 7—Refrigerated air-conditioning (basic systems) work

13 Qualifications and experience required for licensing in class of refrigerated air-conditioning (basic systems) work

- (1) The qualifications required to be able to be licensed to carry out the class of refrigerated air-conditioning (basic systems) work under section 221M(1)(b)(i) of the Act are the successful completion of—
- (a) the approved competency units for licensing in the class of refrigerated air-conditioning (basic systems) work; and
 - (b) the Authority’s examination of licensing competencies for refrigerated air-conditioning (basic systems) work.

- (2) The experience required to be able to be licensed to carry out refrigerated air-conditioning (basic systems) work under section 221M(1)(b)(i) of the Act is at least 3 years of practical experience in refrigerated air-conditioning (basic systems) work.

14 Qualifications and experience required for registration in refrigerated air-conditioning (basic systems) work

- (1) The qualifications required to be able to be registered to carry out refrigerated air-conditioning (basic systems) work under section 221O(1)(a) of the Act are—
- (a) a Restricted electrical worker’s licence (Class 2); and
 - (b) the successful completion of—
 - (i) the approved competency units for registration in refrigerated air-conditioning (basic systems) work; and
 - (ii) the Authority’s examination of registration competencies for refrigerated air-conditioning (basic systems) work.
- (2) The experience required to be able to be registered to carry out refrigerated air-conditioning (basic systems) work under section 221O(1)(a) of the Act is at least 2 years of practical experience in refrigerated air-conditioning (basic systems) work.

Division 8—Roofing (stormwater) work

15 Qualifications and experience required for licensing in roofing (stormwater) work

- (1) The qualifications required to be able to be licensed to carry out roofing (stormwater) work
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under section 221M(1)(b)(i) of the Act are the successful completion of—

- (a) the approved units of competency for licensing in roofing (stormwater) work; and
 - (b) the Authority's examination of licensing competencies for roofing (stormwater) work.
- (2) The experience required to be able to be licensed to carry out roofing (stormwater) work under section 221M(1)(b)(i) of the Act is—
- (a) at least 5 years of practical experience in roofing (stormwater) work; or
 - (b) at least 1 year of practical experience in roofing (stormwater) work and the successful completion of an apprenticeship under the supervision of a plumber who is licensed in roofing (stormwater) work.

16 Qualifications and experience required for registration in roofing (stormwater) work

- (1) The qualifications required to be able to be registered to carry out roofing (stormwater) work under section 221O(1)(a) of the Act are the successful completion of—
- (a) a Certificate III course relating to plumbing that includes the approved competency units for roofing (stormwater) work; and
 - (b) the Authority's examination of competencies for roofing (stormwater) work.
- (2) The experience required to be able to be registered to carry out roofing (stormwater) work under section 221O(1)(a) of the Act is—
- (a) the successful completion of an apprenticeship under the supervision of a

- plumber who is licensed in roofing
(stormwater) work; or
- (b) at least 4 years of practical experience in
roofing (stormwater) work.

Division 9—Sanitary work

17 Qualifications and experience required for licensing in sanitary work

- (1) The qualifications required to be able to be licensed to carry out sanitary work under section 221M(1)(b)(i) of the Act are the successful completion of—
- (a) the approved competency units for licensing in sanitary work; and
 - (b) the Authority’s examination of licensing competencies for sanitary work.
- (2) The experience required to be able to be licensed to carry out sanitary work under section 221M(1)(b)(i) of the Act is—
- (a) at least 5 years of practical experience in sanitary work; or
 - (b) at least 1 year of practical experience in sanitary work and the successful completion of an apprenticeship under the supervision of a plumber who is licensed in sanitary work.

18 Qualifications and experience required for registration in sanitary work

- (1) The qualifications required to be able to be registered to carry out sanitary work under section 221O(1)(a) of the Act are the successful completion of—

- (a) a Certificate III course relating to plumbing that includes the approved competency units for sanitary work; and
 - (b) the Authority's examination of registration competencies for sanitary work.
- (2) The experience required to be able to be registered to carry out sanitary work under section 221O(1)(a) of the Act is—
- (a) the successful completion an apprenticeship under the supervision of a plumber who is licensed in sanitary work; or
 - (b) at least 4 years of practical experience in sanitary work.

Division 10—Type B gasfitting work

19 Qualifications and experience required for licensing in type B gasfitting work

- (1) The qualifications required to be able to be licensed to carry out type B gasfitting work under section 221M(1)(b)(i) of the Act are—
- (a) a Restricted electrical worker's licence (Class 2); and
 - (b) the successful completion of—
 - (i) the approved competency units for type B gasfitting work; and
 - (ii) the Authority's examination of licensing competencies for type B gasfitting work.
- (2) The experience required to be able to be licensed to carry out type B gasfitting work under section 221M(1)(b)(i) of the Act is at least 3 years of practical experience in type B gasfitting work where at least 2 years of that experience was

obtained under a provisional registration in type B
gasfitting work.

**20 Qualifications and experience required for
registration in type B gasfitting work**

- (1) The qualifications required to be able to be registered to carry out type B gasfitting work under section 221O(1)(a) of the Act are—
 - (a) a Restricted electrical worker's licence (Class 2); and
 - (b) the successful completion of—
 - (i) the approved competency units for type B gasfitting work; and
 - (ii) the Authority's examination of registration competencies for type B gasfitting work.
- (2) The experience required to be able to be registered to carry out type B gasfitting work under section 221O(1)(a) of the Act is at least 2 years of practical experience in type B gasfitting work that is obtained under a provisional registration in type B gasfitting work.

Division 11—Water supply work

**21 Qualifications and experience required for licensing
in water supply work**

- (1) The qualifications required to be able to be licensed to carry out water supply work under section 221M(1)(b)(i) of the Act are the successful completion of—
 - (a) the approved competency units for licensing in water supply work; and
 - (b) the Authority's examination of licensing competencies for water supply work.

- (2) The experience required to be able to be licensed to carry out water supply work under section 221M(1)(b)(i) of the Act is—
- (a) at least 6 years of practical experience in water supply work; or
 - (b) at least 2 years of practical experience in water supply work and the successful completion of an apprenticeship under the supervision of a plumber who is licensed in water supply work.

22 Qualifications and experience required for registration in water supply work

- (1) The qualifications required to be able to be registered to carry out water supply work under section 221O(1)(a) of the Act are the successful completion of—
- (a) a Certificate III course relating to plumbing that includes the approved competency units for water supply work; and
 - (b) the Authority’s examination of registration competencies for water supply work.
- (2) The experience required to be able to be registered to carry out water supply work under section 221O(1)(a) of the Act is—
- (a) the successful completion of an apprenticeship under the supervision of a plumber who is licensed in water supply work; or
 - (b) at least 4 years of practical experience in water supply work.

Part 2—Qualifications required in respect of classes of specialised plumbing work

Division 1—Backflow prevention work

23 Qualifications required for licensing in backflow prevention work

The qualifications required to be able to be licensed to carry out backflow prevention work under section 221N(1)(b)(i) of the Act are the successful completion of—

- (a) the approved competency units for licensing in backflow prevention work; and
- (b) the Authority’s examination of licensing competencies for backflow prevention work.

24 Qualifications required for registration in class of backflow prevention work

The qualifications required to be able to be registered to carry out backflow prevention work under section 221OA(1)(b)(i) of the Act are the successful completion of—

- (a) the approved competency units for registration in backflow prevention work;
and
- (b) the Authority’s examination of registration competencies for backflow prevention work.

Division 2—Thermostatic mixing valve work

25 Qualifications required for licensing in thermostatic mixing valve work

The qualifications required to be able to be licensed to carry out thermostatic mixing valve work under section 221N(1)(b)(i) of the Act are the successful completion of—

- (a) the approved competency units for licensing in thermostatic mixing valve work; and
- (b) the Authority’s examination of licensing competencies for thermostatic mixing valve work.

26 Qualifications required for registration in thermostatic mixing valve work

The qualifications required to be able to be registered to carry out thermostatic mixing valve work under section 221OA(1)(b)(i) of the Act are the successful completion of—

- (a) the approved competency units for registration in thermostatic mixing valve work; and
- (b) the Authority’s examination of registration competencies for thermostatic mixing valve work.

Division 3—Type A appliance conversion work

27 Qualifications required for licensing in type A appliance conversion work

The qualifications required to be able to be licensed to carry out type A appliance conversion work under section 221N(1)(b)(i) of the Act are the successful completion of—

- (a) the approved competency units for licensing in type A appliance conversion work; and
- (b) the Authority’s examination of licensing competencies for type A appliance conversion work.

**28 Qualifications required for registration in type A
appliance conversion work**

The qualifications required to be able to be registered to carry out type A appliance conversion work under section 221OA(1)(b)(i) of the Act are the successful completion of—

- (a) the approved competency units for registration in type A appliance conversion work; and
- (b) the Authority’s examination of registration competencies for type A appliance conversion work.

Division 4—Type A appliance servicing work

**29 Qualifications required for licensing in type A
appliance servicing work**

The qualifications required to be able to be licensed to carry out type A appliance servicing work under section 221N(1)(b)(i) of the Act are the successful completion of—

- (a) the approved competency units for licensing in type A appliance servicing work; and
- (b) the Authority’s examination of licensing competencies for type A appliance servicing work.

**30 Qualifications required for registration in type A
appliance servicing work**

The qualifications required to be able to be registered to carry out type A appliance servicing work under section 221OA(1)(b)(i) of the Act are—

- (a) a Restricted electrical worker’s licence (Class 2); and

- (b) the successful completion of—
 - (i) the approved competency units for registration in type A appliance servicing work; and
 - (ii) the Authority’s examination of registration competencies for type A appliance servicing work.

Division 5—Type B gasfitting advanced work

31 Qualifications required for licensing in type B gasfitting advanced work

The qualifications required to be able to be licensed to carry out type B gasfitting advanced work under section 221N(1)(b)(i) of the Act are the successful completion of—

- (a) the approved competency units for licensing in type B gasfitting advanced work; and
- (b) the Authority’s examination of licensing competencies for type B gasfitting advanced work.

32 Qualifications required for registration in type B gasfitting advanced work

The qualifications required to be able to be registered to carry out type B gasfitting work under section 221OA(1)(b)(i) of the Act are—

- (a) a Restricted electrical worker’s licence Class 2; and
- (b) the successful completion of—
 - (i) the approved competency units for registration in type B gasfitting advanced work; and

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- (ii) the Authority's examination of registration competencies for type B gasfitting advanced work.

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registration

Schedule 5—Fees

Regulation 48

<i>Column 1</i> <i>Item</i> <i>number</i>	<i>Column 2</i> <i>Matter</i>	<i>Column 3</i> <i>Fee</i>
1	For an application under section 221T of the Act for a licence, registration or endorsement under section 221M, 221N, 221O, 221OA, 221P, 221Q or 221R of the Act	3·84 fee units
2	For a licence under section 221M or 221Q of the Act or a renewal of that licence (if not endorsed) under section 221ZD of the Act	21·37 fee units
3	For registration under section 221O or 221R of the Act or a renewal of that registration (if not endorsed) under section 221ZD of the Act	24·11 fee units
4	For an endorsement under section 221N or 221OA of the Act	2·13 fee units
5	For a renewal of an endorsed licence or registration under section 221ZD of the Act	21·37 fee units plus 2·13 fee units for each endorsement on the licence or registration
6	For provisional registration under section 221P of the Act or a renewal of provisional registration under section 221ZD of the Act	8·03 fee units
7	For a temporary licence under section 221W of the Act	5·29 fee units
8	For temporary registration under section 221W of the Act	2·13 fee units
9	For a late renewal under section 221ZE of the Act	5·29 fee units
10	For a duplicate licence or registration document under section 221Y of the Act	2·13 fee units

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<i>Column 1</i>	<i>Column 2</i>	<i>Column 3</i>
<i>Item number</i>	<i>Matter</i>	<i>Fee</i>
11	For an application for a declaration modifying the plumbing regulations under section 221ZZO of the Act	8.03 fee units
12	For a practical examination conducted by, or on behalf of, the Authority	11.71 fee units
13	For a theory examination conducted by, or on behalf of, the Authority	4.27 fee units



Schedule 6—Transitional—classes and types of plumbing work

Regulations 56, 57, 58, 59, 60 and 61

**Table 1 – Former class of plumbing work to class of plumbing work or
type of plumbing work**

<i>Column 1</i>	<i>Column 2</i>	<i>Column 3</i>
<i>Item number</i>	<i>Former class of plumbing work under the old Regulations</i>	<i>Class or classes of plumbing work, or types of a class of plumbing work, for the purpose of these Regulations</i>
1	Drainage	Drainage
2	Fire protection	Fire protection
3	Gasfitting	Gasfitting
4	Irrigation (non- agricultural)	Irrigation (non-agricultural)
5	Mechanical services	Mechanical services Refrigerated air-conditioning (basic systems)
6	Roofing (stormwater)	Roofing (stormwater)
7	Sanitary	Sanitary
8	Water supply	Water supply

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registration

Table 2 – Former class of specialised plumbing work to class of specialised plumbing work or type of specialised plumbing work

<i>Column 1</i>	<i>Column 2</i>	<i>Column 3</i>
<i>Item number</i>	<i>Former class of plumbing work under the old Regulations</i>	<i>Class or classes of plumbing work, or types of a class of plumbing work, for the purpose of these Regulations</i>
1	Backflow prevention	Backflow prevention
2	Type B gasfitting advanced	Type B gasfitting advanced
3	Type A appliance conversion	Type A appliance conversion
4	Type A appliance servicing	Type A appliance servicing

Table 3 – Former class of specialised plumbing work to class of plumbing work or type of plumbing work

<i>Column 1</i>	<i>Column 2</i>	<i>Column 3</i>
<i>Item number</i>	<i>Former class of specialised plumbing work under the old Regulations</i>	<i>Class or classes of plumbing work, or types of a class of plumbing work, for the purpose of these Regulations</i>
1	Refrigerated air-conditioning	Refrigerated air-conditioning
2	Type B gas-fitting	Type B gas-fitting

Endnotes

2 Table of Amendments

This publication incorporates amendments made to the Plumbing Regulations 2018 by statutory rules, subordinate instruments and Acts.

3 Amendments Not in Operation

There are no amendments which were Not in Operation at the date of this publication.

4 Explanatory details

Table of Applied, Adopted or Incorporated Matter

The following table of applied, adopted or incorporated matter was included in S.R. No. 31/2017 in accordance with the requirements of regulation 5 of the Subordinate Legislation Regulations 2014.

In this table, *PCA* means the Plumbing Code of Australia within the meaning of Part 12A of the Act.

Statutory Rule Provision	Title of applied, adopted or incorporated document	Matter in applied, adopted or incorporated document
Regulation 5 (definition of <i>AS/NZS ISO 817</i>)	AS/NZS ISO 817:2016 Refrigerants—Designation and safety classification, published jointly by Standards Australia and Standards New Zealand on 19 October 2016	The whole
Regulation 5 (definition of <i>AS/NZS 1530.3</i>)	AS/NZS 1530.3:1999 Methods for fire tests on building materials, components and structures Part 3: Simultaneous determination of ignitability, flame propagation, heat release and smoke release, published jointly by Standards Australia and Standards New Zealand on 5 November 1999, reconfirmed on 10 June 2016	The whole
Regulation 5 (definition of <i>AS 1562.3</i>)	AS 1562.3—2006 Design and installation of sheet roof and wall cladding Part 3: Plastic, published by Standards Australia on 30 June 2006	The whole

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Statutory Rule Provision	Title of applied, adopted or incorporated document	Matter in applied, adopted or incorporated document
Regulation 5 (definition of <i>AS 1851</i>)	AS 1851:2012 Routine service of fire protection systems and equipment, published by Standards Australia on 3 December 2012, as amended on 16 November 2016	The whole
Regulation 5 (definition of <i>AS 2118.2</i>)	AS 2118.2—2010 Automatic fire sprinkler systems Part 2: Drencher systems, published by Standards Australia on 20 August 2010	The whole
Regulation 5 (definition of <i>AS 2118.3</i>)	AS 2118.3—2010 Automatic fire sprinkler systems Part 3: Deluge systems, published by Standards Australia on 20 August 2010	The whole
Regulation 5 (definition of <i>AS 2118.8</i>)	AS 2118.8—1997 Automatic fire sprinkler systems Part 8: Minor modifications, published by Standards Australia on 5 December 1997, reconfirmed on 11 July 2013	The whole
Regulation 5 (definition of <i>AS 2118.10</i>)	AS 2118.10—1995 Automatic fire sprinkler systems Part 10: Approval documentation, published by Standards Australia on 5 June 1995, reconfirmed on 11 July 2013	The whole

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Statutory Rule Provision	Title of applied, adopted or incorporated document	Matter in applied, adopted or incorporated document
Regulation 5 (definition of <i>AS 2473.3</i>)	AS 2473.3—2007 Valves for compressed gas cylinders Part 3: Outlet connections for medical gases (including pin-indexed yoke connections), published by Standards Australia on 4 December 2007, reconfirmed on 7 July 2017	The whole
Regulation 5 (definition of <i>AS 2568</i>)	AS 2568—1991 Medical gases—Purity of compressed medical breathing air, published by Standards Australia on 11 February 1991	The whole
Regulation 5 (definition of <i>AS 2845.2</i>)	AS 2845.2—2010 Water supply—Backflow prevention devices Part 2: Registered air gaps and registered break tanks, published by Standards Australia on 30 June 2010	The whole
Regulation 5 (definition of <i>AS 2896</i>)	AS 2896—2011 Medical gas systems—Installation and testing of non-flammable medical gas pipeline systems, published by Standards Australia on 8 February 2011	The whole
Regulation 5 (definition of <i>AS 2902</i>)	AS 2902—2005 Medical gas systems—Low pressure flexible hose assemblies, published by Standards Australia on 15 July 2005, reconfirmed on 9 December 2016	The whole

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Statutory Rule Provision	Title of applied, adopted or incorporated document	Matter in applied, adopted or incorporated document
Regulation 5 (definition of <i>AS/NZS 2918</i>)	AS/NZS 2918:2001 Domestic solid fuel burning appliances—Installation, published jointly by Standards Australia and Standards New Zealand on 21 November 2001	The whole
Regulation 5 (definition of <i>AS 2941</i>)	AS 2941—2013 Fixed fire protection installations— Pumpset systems, published by Standards Australia on 18 November 2013	The whole
Regulation 5 (definition of <i>AS 3500.0</i>)	AS/NZS 3500.0:2003 Plumbing and drainage Part 0: Glossary of terms, published jointly by the Standards Australia and Standards New Zealand on 15 December 2003	The whole
Regulation 5 (definition of <i>AS/NZS 3500.1</i>)	AS/NZS 3500.1:2015 Plumbing and drainage Part 1: Water services, published jointly by Standards Australia and Standards New Zealand on 30 June 2015, as amended on 5 September 2017	The whole
Regulation 5 (definition of <i>AS/NZS 3500.2</i>)	AS/NZS 3500.2:2015 Plumbing and drainage Part 2: Sanitary plumbing and drainage, published jointly by Standards Australia and Standards New Zealand on 30 June 2015, as amended on 30 June 2017 and 24 November 2017	The whole

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Statutory Rule Provision	Title of applied, adopted or incorporated document	Matter in applied, adopted or incorporated document
Regulation 5 (definition of <i>AS 3814</i>)	AS 3814:2015 Industrial and commercial gas-fired appliances, published by Standards Australia on 18 February 2015	The whole
Regulation 5 (definition of <i>AS 4032.3</i>)	AS 4032.3—2004 Water supply—Valves for the control of heated water supply temperatures Part 3: Requirements for field-testing, maintenance or replacement of thermostatic mixing valves, tempering valves and end-of-line temperature control devices, published by Standards Australia on 20 February 2004	The whole
Regulation 5 (definition of <i>AS 4118.1.1</i>)	AS 4118.1.1—1996 Fire sprinkler systems Part 1.1: Components—Sprinklers and sprayers, published by Standards Australia on 5 June 1996, reconfirmed on 10 July 2013	The whole
Regulation 5 (definition of <i>AS 4118.1.2</i>)	AS 4118.1.2—1996 Fire sprinkler systems Part 1.2: Components—Alarm valves (wet), published by Standards Australia on 5 January 1996, reconfirmed on 10 July 2013	The whole
Regulation 5 (definition of <i>AS 4118.1.3</i>)	AS 4118.1.3—1995 Fire sprinkler systems Part 1.3: Components—Water motor alarms, published by Standards Australia on 5 June 1995, reconfirmed on 10 July 2013	The whole

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Statutory Rule Provision	Title of applied, adopted or incorporated document	Matter in applied, adopted or incorporated document
Regulation 5 (definition of <i>AS 4118.1.4</i>)	AS 4118.1.4—1994 Fire sprinkler systems Part 1.4: Components—Valve monitors, published by Standards Australia on 17 January 1994, reconfirmed on 10 July 2013	The whole
Regulation 5 (definition of <i>AS 4118.1.5</i>)	AS 4118.1.5—1996 Fire sprinkler systems Part 1.5 Components—Deluge and pre-action valves, published by Standards Australia on 5 January 1996, reconfirmed on 10 July 2013	The whole
Regulation 5 (definition of <i>AS 4118.1.6</i>)	AS 4118.1.6—1995 Fire sprinkler systems Part 1.6: Components—Stop valves and non-return valves, published by Standards Australia on 5 April 1995, reconfirmed on 10 July 2013	The whole
Regulation 5 (definition of <i>AS 4118.1.7</i>)	AS 4118.1.7—1996 Fire sprinkler systems Part 1.7: Components—Alarm valves (dry), published by Standards Australia on 5 January 1996, reconfirmed on 10 July 2013	The whole
Regulation 5 (definition of <i>AS 4118.1.8</i>)	AS 4118.1.8—1999 Fire sprinkler systems Part 1.8: Components—Pressure-reducing valves, published by Standards Australia on 5 May 1999, reconfirmed on 10 July 2013	The whole

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Statutory Rule Provision	Title of applied, adopted or incorporated document	Matter in applied, adopted or incorporated document
Regulation 5 (definition of <i>AS/NZS 4234</i>)	AS/NZS 4234:2008 Heated water systems—Calculation of energy consumption, published jointly by Standards Australia and Standards New Zealand on 21 August 2008, as amended on 29 March 2011, 14 November 2011 and 11 November 2014	The whole
Regulation 5 (definition of <i>AS 4552.2</i>)	AS/NZS 4552.2:2010 Gas fired water heaters for hot water supply and/or central heating Part 2: Minimum energy performance standards for gas water heaters, published jointly by Standards Australia and Standards New Zealand on 24 December 2010	The whole
Regulation 5 (definition of <i>AS 4575</i>)	AS 4575—2005 Gas appliances—Quality of servicing, published by Standards Australia on 25 February 2005	The whole
Regulation 5 (definition of <i>AS/NZS 4692.1</i>)	AS/NZS 4692.1:2005 Electric water heaters Part 1: Energy consumption, performance and general requirements, published jointly by Standards Australia and Standards New Zealand on 27 September 2005, reconfirmed on 10 June 2016	The whole

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Statutory Rule Provision	Title of applied, adopted or incorporated document	Matter in applied, adopted or incorporated document
Regulation 5 (definition of <i>AS/NZS 4859.1</i>)	AS/NZS 4859.1:2002 Materials for the thermal insulation of buildings Part 1: General criteria and technical provisions, published jointly by Standards Australia and Standards New Zealand on 15 October 2002, as amended on 28 December 2006	The whole
Regulation 5 (definition of <i>AS 4995</i>)	AS 4995—2009 Greywater treatment systems for vessels operated on inland waters, published by Standards Australia on 9 September 2009	The whole
Regulation 5 (definition of <i>AS/NZS 5149.1</i>)	AS/NZS 5149.1:2016 Refrigerating systems and heat pumps—Safety and environmental requirements—Part 1: Definitions, classification and selection criteria (ISO 5149-1:2014, MOD), published jointly by Standards Australia and Standards New Zealand on 19 October 2016	The whole
Regulation 5 (definition of <i>AS/NZS 5149.2</i>)	AS/NZS 5149.2:2016 Refrigerating systems and heat pumps—Safety and environmental requirements—Part 2: Design, construction, testing marking and documentation (ISO 5149-2:2014, MOD), published jointly by Standards Australia and Standards New Zealand on 19 October 2016	The whole

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Statutory Rule Provision	Title of applied, adopted or incorporated document	Matter in applied, adopted or incorporated document
Regulation 5 (definition of <i>AS/NZS 5149.3</i>)	AS/NZS 5149.3:2016 Refrigerating systems and heat pumps—Safety and environmental requirements—Part 3: Installation site (ISO 5149-3:2014, MOD), published jointly by Standards Australia and Standards New Zealand on 19 October 2016	The whole
Regulation 5 (definition of <i>AS/NZS 5149.4</i>)	AS/NZS 5149.4:2016 Refrigerating systems and heat pumps—Safety and environmental requirements—Part 4: Operation, maintenance, repair and recovery (ISO 5149-4:2014, MOD), published jointly by Standards Australia and Standards New Zealand on 19 October 2016	The whole
Regulation 5 (definition of <i>AS/NZS 5601.1</i>)	AS/NZS 5601.1:2013 Gas Installations Part 1: General installations, published jointly by Standards Australia and Standards New Zealand on 16 September 2013 as amended 27 August 2015 and 11 May 2016	The whole
Regulation 5 (definition of <i>AS/NZS 5601.2</i>)	AS/NZS 5601.2:2013 Gas installations Part 2: LP Gas installations in caravans and boats for non-propulsive purposes, published jointly by Standards Australia and Standards New Zealand on 16 September 2013 as amended 11 May 2016 and 9 March 2017	The whole

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Statutory Rule Provision	Title of applied, adopted or incorporated document	Matter in applied, adopted or incorporated document
Regulation 5 (definition of <i>AS/NZS 6400</i>)	AS/NZS 6400:2016 Water efficient products—Rating and labelling, published jointly by Standards Australia and Standards New Zealand on 6 April 2016	The whole
Regulation 5 (definition of <i>Australia and New Zealand Refrigerant handling code of practice 2007 Part 1</i>)	Australia and New Zealand Refrigerant handling code of practice 2007 Part 1—Self-contained low charge systems, prepared jointly by the Australian Institute of Refrigeration, Air Conditioning and Heating and the Institute of Refrigeration, Heating and Air Conditioning Engineers New Zealand, published September 2007	The whole
Regulation 5 (definition of <i>Australia and New Zealand Refrigerant handling code of practice 2007 Part 2</i>)	Australia and New Zealand Refrigerant handling code of practice 2007 Part 2—Systems other than self-contained low charge systems, prepared jointly by the Australian Institute of Refrigeration, Air Conditioning and Heating and the Institute of Refrigeration, Heating and Air Conditioning Engineers New Zealand, published September 2007	The whole

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Regulation 5 (definition of <i>Climate zone 4</i> and <i>Climate zone 5</i>)	AS/NZS 4234:2008 Heated water systems—Calculation of energy consumption, published jointly by Standards Australia and Standards New Zealand on 21 August 2008, as amended on 29 March 2011, 14 November 2011 and 11 November 2014	The whole
Regulation 5 (definition of <i>HB 276</i>)	HB 276—2004 A Guide to Good Practice for Energy Efficient Installation of Residential Heating, Cooling and Air Conditioning Plant and Equipment, published jointly by the Plumbing Industry Commission and Standards Australia on 31 December 2004, reconfirmed on 27 May 2016	The whole
Regulation 5 (definition of <i>network utility operator</i>)	AS/NZS 3500.0:2003 Plumbing and drainage Part 0: Glossary of terms, published jointly by the Standards Australia and Standards New Zealand on 15 December 2003	The whole
Regulation 5 (definition of <i>PCA</i>)	PCA	The whole except as set out in Regulation 8
Regulation 5 (definition of <i>routine servicing</i>)	AS 1851:2012 Routine service of fire protection systems and equipment, published by Standards Australia on 3 December 2012, as amended on 16 November 2016	The whole

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Regulation 5 (definition of <i>SA HB 39</i>)	SA HB 39—2015 Installation code for metal roof and wall cladding, as issued, published or remade from time to time	The whole
Regulation 5 (definition of <i>SAA/SNZ HB 114</i>)	SAA/SNZ HB 114:1998 Guidelines for the design of eaves and box gutters, published jointly by Standards Australia and Standards New Zealand on 5 November 1998	The whole
Regulation 5 (definition of <i>Vehicle Standard (Australian Design Rule 42/00—General Safety Requirements) 2006</i>)	Vehicle Standard (Australian Design Rule 42/00—General Safety Requirements) 2006, determined under subsection 7(2) of the Motor Vehicles Standards Act 1989 of the Commonwealth	The whole
Regulation 5 (definition of <i>water efficient shower head</i>)	AS/NZS 6400:2016 Water efficient products—Rating and labelling, published jointly by Standards Australia and Standards New Zealand on 6 April 2016	The whole
Regulation 6(7)	AS 3814:2015 Industrial and commercial gas-fired appliances, published by Standards Australia on 18 February 2015	The whole
Regulation 6(7)	AS 4575—2005 Gas appliances—Quality of servicing, published by Standards Australia on 25 February 2005	The whole

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Regulation 6(7)	AS/NZS 5601.1:2013 Gas Installations Part 1: General installations, published jointly by Standards Australia and Standards New Zealand on 16 September 2013 as amended 27 August 2015 and 11 May 2016	The whole
Regulation 6(7)	AS/NZS 5601.2:2013 Gas installations Part 2: LP Gas installations in caravans and boats for non-propulsive purposes, published jointly by Standards Australia and Standards New Zealand on 16 September 2013 as amended 11 May 2016 and 9 March 2017	The whole
Regulation 7	PCA	The whole except as set out in Regulation 8
Regulation 8(1)	PCA	The whole except Part D2, F1 and F2
Regulation 9	PCA	The whole except as set out in Regulation 8
Regulation 34	AS/NZS 3500.1:2015 Plumbing and drainage Part 1: Water services, published jointly by Standards Australia and Standards New Zealand on 30 June 2015 as amended on 5 September 2017	Column 1 of Table 4.4.1

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Schedule 2 Part 1 Division 1 Clause 1(1)	AS/NZS 3500.2:2015 Plumbing and drainage Part 2: Sanitary plumbing and drainage, published jointly by Standards Australia and Standards New Zealand on 30 June 2015	Clause 3.2 Location of drains
Schedule 2 Part 1 Division 1 Clause 1(2)(b)	AS/NZS 3500.2:2015 Plumbing and drainage Part 2: Sanitary plumbing and drainage, published jointly by Standards Australia and Standards New Zealand on 30 June 2015 as amended on 30 June 2017 and 24 November 2017	Clause 2.4 Limitation on the use of pipes and fittings
Schedule 2 Part 1 Division 2 Clause 2(a)	AS/NZS 1530.3:1999 Methods for fire tests on building materials, components and structures Part 3: Simultaneous determination of ignitability, flame propagation, heat release and smoke release, published jointly by Standards Australia and Standards New Zealand on 5 November 1999, reconfirmed on 10 June 2016	The whole
Schedule 2 Part 1 Division 2 Clause 2(b)	AS 4118.1.1—1996 Fire sprinkler systems Part 1.1: Components—Sprinklers and sprayers, published by Standards Australia on 5 June 1996, reconfirmed on 10 July 2013	The whole

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Statutory Rule Provision	Title of applied, adopted or incorporated document	Matter in applied, adopted or incorporated document
Schedule 2 Part 1 Division 2 Clause 2(c)	AS 4118.1.2—1996 Fire sprinkler systems Part 1.2: Components—Alarm valves (wet), published by Standards Australia on 5 January 1996, reconfirmed on 10 July 2013	The whole
Schedule 2 Part 1 Division 2 Clause 2(d)	AS 4118.1.3—1995 Fire sprinkler systems Part 1.3: Components—Water motor alarms, published by Standards Australia on 5 June 1995, reconfirmed on 10 July 2013	The whole
Schedule 2 Part 1 Division 2 Clause 2(e)	AS 4118.1.4—1994 Fire sprinkler systems Part 1.4: Components—Valve monitors, published by Standards Australia on 17 January 1994, reconfirmed on 10 July 2013	The whole
Schedule 2 Part 1 Division 2 Clause 2(f)	AS 4118.1.5—1996 Fire sprinkler systems Part 1.5 Components—Deluge and pre-action valves, published by Standards Australia on 5 January 1996, reconfirmed on 10 July 2013	The whole
Schedule 2 Part 1 Division 2 Clause 2(g)	AS 4118.1.6—1995 Fire sprinkler systems Part 1.6: Components—Stop valves and non-return valves, published by Standards Australia on 5 April 1995, reconfirmed on 10 July 2013	The whole

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Schedule 2 Part 1 Division 2 Clause 2(h)	AS 4118.1.7—1996 Fire sprinkler systems Part 1.7: Components—Alarm valves (dry), published by Standards Australia on 5 January 1996, reconfirmed on 10 July 2013	The whole
Schedule 2 Part 1 Division 2 Clause 2(i)	AS 4118.1.8—1999 Fire sprinkler systems Part 1.8: Components—Pressure-reducing valves, published by Standards Australia on 5 May 1999, reconfirmed on 10 July 2013	The whole
Schedule 2 Part 1 Division 2 Clause 2(j)	AS 2941—2013 Fixed fire protection installations— Pumpset systems, published by Standards Australia on 18 November 2013	The whole
Schedule 2 Part 1 Division 2 Clause 2(k)	AS 2118.2—2010 Automatic fire sprinkler systems Part 2: Drencher systems, published by Standards Australia on 20 August 2010	The whole
Schedule 2 Part 1 Division 2 Clause 2(l)	AS 2118.3—2010 Automatic fire sprinkler systems Part 3: Deluge systems, published by Standards Australia 20 August 2010	The whole
Schedule 2 Part 1 Division 2 Clause 2(m)	AS 2118.8—1997 Automatic fire sprinkler systems Part 8: Minor modifications, published by Standards Australia on 5 December 1997, reconfirmed on 11 July 2013	The whole

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Schedule 2 Part 1 Division 2 Clause 2(n)	AS 2118.10—1995 Automatic fire sprinkler systems Part 10: Approval documentation, published by Standards Australia on 5 June 1995, reconfirmed on 11 July 2013	The whole
Schedule 2 Part 1 Division 2 Clause 2(o)	AS 1851—2012 Routine service of fire protection systems and equipment, published by Standards Australia on 3 December 2012, as amended on 16 November 2016	The whole
Schedule 2 Part 1 Division 3 Clause 3(a)	AS/NZS 2918:2001 Domestic solid fuel burning appliances—Installation, published jointly by Standards Australia and Standards New Zealand on 21 November 2001	The whole
Schedule 2 Part 1 Division 3 Clause 3(b)	AS 2896—2011 Medical gas systems—Installation and testing of non-flammable medical gas pipeline systems, published by Standards Australia on 8 February 2011	The whole
Schedule 2 Part 1 Division 3 Clause 3(c)	AS 2473.3—2007 Valves for compressed gas cylinders Part 3: Outlet connections for medical gases (including pin-indexed yoke connections), published by Standards Australia on 4 December 2007, reconfirmed on 7 July 2017	The whole

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Schedule 2 Part 1 Division 3 Clause 3(d)	AS 2568—1991 Medical gases—Purity of compressed medical breathing air, published by Standards Australia on 11 February 1991	The whole
Schedule 2 Part 1 Division 3 Clause 3(e)	AS 2902—2005 Medical gas systems—Low pressure flexible hose assemblies, published by Standards Australia on 15 July 2005, reconfirmed on 9 December 2016	The whole
Schedule 2 Part 1 Division 3 Clause 3(f)	AS/NZS 4859.1:2002 Materials for the thermal insulation of buildings Part 1: General criteria and technical provisions, published jointly by Standards Australia and Standards New Zealand on 15 October 2002, as amended on 28 December 2006	The whole
Schedule 2 Part 1 Division 4 Clause 4(a)	AS/NZS ISO 817:2016 Refrigerants—Designation and safety classification, published jointly by Standards Australia and Standards New Zealand on 19 October 2016	The whole

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Schedule 2 Part 1 Division 4 Clause 4(b)	AS/NZS 5149.1:2016 Refrigerating systems and heat pumps—Safety and environmental requirements— Part 1: Definitions, classification and selection criteria (ISO 5149-1:2014, MOD), published jointly by Standards Australia and Standards New Zealand on 19 October 2016	The whole
Schedule 2 Part 1 Division 4 Clause 4(c)	AS/NZS 5149.2:2016 Refrigerating systems and heat pumps—Safety and environmental requirements— Part 2: Design, construction, testing marking and documentation (ISO 5149-2:2014, MOD), published jointly by Standards Australia and Standards New Zealand on 19 October 2016	The whole
Schedule 2 Part 1 Division 4 Clause 4(d)	AS/NZS 5149.3:2016 Refrigerating systems and heat pumps—Safety and environmental requirements— Part 3: Installation site (ISO 5149-3:2014, MOD), published jointly by Standards Australia and Standards New Zealand on 19 October 2016	The whole

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Schedule 2 Part 1 Division 4 Clause 4(e)	AS/NZS 5149.4:2016 Refrigerating systems and heat pumps—Safety and environmental requirements—Part 4: Operation, maintenance, repair and recovery (ISO 5149-4:2014, MOD), published jointly by Standards Australia and Standards New Zealand on 19 October 2016	The whole
Schedule 2 Part 1 Division 4 Clause 4(f)	HB 276—2004 A Guide to Good Practice for Energy Efficient Installation of Residential Heating, Cooling and Air Conditioning Plant and Equipment, published jointly by the Plumbing Industry Commission and Standards Australia on 31 December 2004, reconfirmed on 27 May 2016	The whole
Schedule 2 Part 1 Division 4 Clause 4(g)	Australia and New Zealand Refrigerant handling code of practice 2007 Part 1—Self-contained low charge systems, prepared jointly by the Australian Institute of Refrigeration, Air Conditioning and Heating and the Institute of Refrigeration, Heating and Air Conditioning Engineers New Zealand, published September 2007	The whole

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Statutory Rule Provision	Title of applied, adopted or incorporated document	Matter in applied, adopted or incorporated document
Schedule 2 Part 1 Division 4 Clause 4(h)	Australia and New Zealand Refrigerant handling code of practice 2007 Part 2—Systems other than self-contained low charge systems, prepared jointly by the Australian Institute of Refrigeration, Air Conditioning and Heating and the Institute of Refrigeration, Heating and Air Conditioning Engineers New Zealand, published September 2007	The whole
Schedule 2 Part 1 Division 5 Clause 5(a)	AS/NZS ISO 817:2016 Refrigerants—Designation and safety classification, published jointly by Standards Australia and Standards New Zealand on 19 October 2016	The whole
Schedule 2 Part 1 Division 5 Clause 5(b)	AS/NZS ISO 5149.1:2016 Refrigerating systems and heat pumps—Safety and environmental requirements—Part 1: Definitions, classification and selection criteria (ISO 5149-1: 2014, MOD), published jointly by Standards Australia and Standards New Zealand on 19 October 2016	The whole

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Schedule 2 Part 1 Division 5 Clause 5(c)	AS/NZS 5149.2:2016 Refrigerating systems and heat pumps—Safety and environmental requirements—Part 2: Design, construction, testing, marking and documentation (ISO 5149-2:2014, MOD), published jointly by Standards Australia and Standards New Zealand on 19 October 2016	The whole
Schedule 2 Part 1 Division 5 Clause 5(d)	AS/NZS ISO 5149.3:2016 Refrigerating systems and heat pumps—Safety and environmental requirements—Part 3: Installation site (ISO 5149-3:2014, MOD), published jointly by Standards Australia and Standards New Zealand on 19 October 2016	The whole
Schedule 2 Part 1 Division 5 Clause 5(e)	AS/NZS ISO 5149.4:2016 Refrigerating systems and heat pumps—Safety and environmental requirements—Part 4: Operation, maintenance, repair and recovery (ISO 5149-4:2014, MOD), published jointly by Standards Australia and Standards New Zealand on 19 October 2016	The whole

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Schedule 2 Part 1 Division 5 Clause 5(f)	HB 276—2014 A Guide to Good Practice for Energy Efficient Installation of Residential Heating, Cooling and Air Conditioning Plant and Equipment, published jointly by the Plumbing Industry Commission and Standards Australia on 31 December 2004, reconfirmed on 27 May 2016	The whole
Schedule 2 Part 1 Division 5 Clause 5(g)	Australia and New Zealand Refrigerant handling code of practice 2007 Part 1—Self-contained low charge systems, prepared jointly by the Australian Institute of Refrigeration, Air Conditioning and Heating and the Institute of Refrigeration, Heating and Air Conditioning Engineers New Zealand, published September 2007	The whole
Schedule 2 Part 1 Division 5 Clause 5(h)	Australia and New Zealand Refrigerant handling code of practice 2007 Part 2—Systems other than self-contained low charge systems, prepared jointly by the Australian Institute of Refrigeration, Air Conditioning and Heating and the Institute of Refrigeration, Heating and Air Conditioning Engineers New Zealand, published September 2007	The whole

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Schedule 2 Part 1 Division 6 Clause 6(a)	SA HB 39—2015 Installation code for metal roof and wall cladding, as issued, published or remade from time to time	The whole
Schedule 2 Part 1 Division 6 Clause 6(b)	AS 1562.3—2006 Design and installation of sheet roof and wall cladding Part 3: Plastic, published by Standards Australia on 30 June 2006	The whole
Schedule 2 Part 1 Division 6 Clause 6(c)	SAA/SNZ HB 114:1998 Guidelines for the design of eaves and box gutters, published jointly by Standards Australia and Standards New Zealand on 5 November 1998	The whole
Schedule 2 Part 1 Division 7 Clause 7(a)	AS 4995—2009 Greywater treatment systems for vessels operated on inland waters, published by Standards Australia on 9 September 2009	The whole
Schedule 2 Part 1 Division 7 Clause 7(b)	Vehicle Standard (Australian Design Rule 42/00—General Safety Requirements) 2006, determined under subsection 7(2) of the Motor Vehicles Standards Act 1989 of the Commonwealth	Clause 42.11
Schedule 2 Part 1 Division 8 Clause 11	AS/NZS 4234:2008 Heated water systems—Calculation of energy consumption, published jointly by Standards Australia and Standards New Zealand on 21 August 2008, as amended on 29 March 2011, 14 November 2011 and 11 November 2014	The whole as modified by Schedule 2 Part 1 Clause 11(2)

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Schedule 2 Part 1 Division 8 Clause 12(1)(a)	AS/NZS 4234:2008 Heated water systems—Calculation of energy consumption, published jointly by Standards Australia and Standards New Zealand on 21 August 2008, as amended on 29 March 2011, 14 November 2011 and 11 November 2014	The whole as modified by Schedule 2 Part 1 Division 8 Clause 11(2)
Schedule 2 Part 1 Division 8 Clause 13(1)(d)	AS/NZS 4692.1:2005 Electric water heaters Part 1: Energy consumption, performance and general requirements, published jointly by Standards Australia and Standards New Zealand on 27 September 2005, reconfirmed on 10 June 2016	The whole
Schedule 2 Part 1 Division 8 Clause 13(2)	AS/NZS 4234:2008 Heated water systems—Calculation of energy consumption, published jointly by Standards Australia and Standards New Zealand on 21 August 2008, as amended on 29 March 2011, 14 November 2011 and 11 November 2014	The whole
Schedule 2 Part 1 Division 8 Clause 13(4)(a)	AS/NZS 4552.2:2010 Gas fired water heaters for hot water supply and/or central heating Part 2: Minimum energy performance standards for gas water heaters, published jointly by Standards Australia and Standards New Zealand on 24 December 2010	The whole

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Schedule 2 Part 1 Division 8 Clause 13(4)(b)(i)	AS/NZS 4234:2008 Heated water systems—Calculation of energy consumption, published jointly by Standards Australia and Standards New Zealand on 21 August 2008, as amended on 29 March 2011, 14 November 2011 and 11 November 2014	The whole
Schedule 2 Part 1 Division 8 Clause 13(4)(b)(ii)	AS/NZS 4234:2008 Heated water systems—Calculation of energy consumption, published jointly by Standards Australia and Standards New Zealand on 21 August 2008, as amended on 29 March 2011, 14 November 2011 and 11 November 2014	The whole
Schedule 2 Part 1 Division 8 Clause 13(c)(i)	AS/NZS 4234:2008 Heated water systems—Calculation of energy consumption, published jointly by Standards Australia and Standards New Zealand on 21 August 2008, as amended on 29 March 2011, 14 November 2011 and 11 November 2014	The whole
Schedule 2 Part 1 Division 8 Clause 13(c)(ii)	AS/NZS 4234:2008 Heated water systems—Calculation of energy consumption, published jointly by Standards Australia and Standards New Zealand on 21 August 2008, as amended on 29 March 2011, 14 November 2011 and 11 November 2014	The whole

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Schedule 2 Part 1 Division 8 Clause 13(d)(i)	AS/NZS 4234:2008 Heated water systems—Calculation of energy consumption, published jointly by Standards Australia and Standards New Zealand on 21 August 2008, as amended on 29 March 2011, 14 November 2011 and 11 November 2014	The whole
Schedule 2 Part 1 Division 8 Clause 13(d)(ii)	AS/NZS 4234:2008 Heated water systems—Calculation of energy consumption, published jointly by Standards Australia and Standards New Zealand on 21 August 2008, as amended on 29 March 2011, 14 November 2011 and 11 November 2014	The whole
Schedule 2 Part 2 Division 1 Clause 15	AS 2845.2—2010 Water supply—Backflow prevention devices Part 2: Registered air gaps and registered break tanks, published by Standards Australia on 30 June 2010	The whole
Schedule 2 Part 2 Division 2 Clause 16	AS 4032.3—2004 Water supply—Valves for the control of heated water supply temperatures Part 3: Requirements for field-testing, maintenance or replacement of thermostatic mixing valves, tempering valves and end-of-line temperature control devices, published by Standards Australia on 20 February 2004	The whole