

## Approved competency units<sup>1</sup>

### Schedule 3, Part 1 – Qualifications and experience required in respect of class of plumbing work

#### Registration

The qualifications and experience required for registration under section 221O of the *Building Act 1993* to carry out a class of plumbing work are:

- (a) successful completion of a Certificate III course relating to plumbing work (except in the case of drainage work for irrigation (non-agricultural) work where a Certificate II course is sufficient) that includes the approved competency units for that class of plumbing work, and
- (b) successful completion of the Authority’s examination of competencies for that class of plumbing work.

The approved competency units for registration for each class of plumbing work are:

#### Competencies for registration – Drainage work

CPCPCM2041A	Work effectively in the plumbing and services sector
CPCPCM2039A	Carry out interactive workplace communication
CPCPCM2043A	Carry out WHS requirements
CPCPCM2040A	Read plans and calculate plumbing quantities
CPCPCM2045A	Handle and store plumbing materials
CPCPCM2046A	Use plumbing hand and power tools
CPCPCM2047A	Carry out levelling
CPCPCM2049A	Cut using Oxy-LPG / Acetylene equipment
HLTFA211A	Provide basic emergency life support
CPCPCM2054A	Carry out simple concreting and rendering
RIICCM210A	Install trench support
CPCPSN3025A	Install pre-treatment facilities
CPCPDR2021A	Locate and clear blockages
CPCPDR2022A	Install domestic treatment plants
CPCPDR2023A	Maintain effluent disinfection systems
CPCPDR2024A	Install stormwater and sub-soil drainage systems
CPCPDR2025A	Drain work site
CPCPDR2026A	Install prefabricated inspection openings and enclosures
CPCPDR3021A	Plan layout of a residential sanitary drainage system
CPCPDR3022A	Install below ground sanitary drainage systems
CPCPDR3023A	Install on-site disposal systems

<sup>1</sup> These approved competency units can be found in the Victorian Government Gazette – No. G41, published Thursday 9 October 2014 (pp. 2316–23).

### Competencies for registration – Sanitary work

CPCPCM2041A	Work effectively in the plumbing and services sector
CPCPCM2039A	Carry out interactive workplace communication
CPCPCM2043A	Carry out WHS requirements
CPCPCM2040A	Read plans and calculate plumbing quantities
CPCPCM2045A	Handle and store plumbing materials
CPCPCM2046A	Use plumbing hand and power tools
CPCPCM2047A	Carry out levelling
CPCPCM2048A	Cut and join sheet metal
CPCPCM2049A	Cut with Oxy-LPG / Acetylene equipment
CPCPCM2054A	Carry out simple concreting and rendering
CPCPCM2055A	Work safely on roofs
HLTFA211A	Provide basic emergency life support
CPCPCM3021A	Flash penetrations through roofs and walls
CPCPCM3022A	Weld polyethylene and polypropylene pipes using fusion method
CPCPSN3011B	Plan the layout of a residential sanitary plumbing system
CPCPSN3022A	Install discharge pipes
CPCPSN3023A	Fabricate and install sanitary stacks
CPCPSN3024A	Install and fit off sanitary fixtures
CPCPSN3025A	Install pre-treatment facilities
CPCPSN3026A	Install sewerage pumpsets
CPCPDR2021A	Locate and clear blockages

### Competencies for registration – Water Supply work

CPCPCM2041A	Work effectively in the plumbing and services sector
CPCPCM2039A	Carry out interactive workplace communication
CPCPCM2043A	Carry out WHS requirements
CPCPCM2040A	Read plans and calculate plumbing quantities
CPCPCM2045A	Handle and store plumbing materials
CPCPCM2046A	Use plumbing hand and power tools
CPCPCM2047A	Carry out levelling
CPCPCM2050A	Mark out materials
HLTFA211A	Provide basic emergency life support

CPCPCM2052A	Weld using oxy-acetylene equipment
CPCPCM2053A	Weld using manual metal arc welding equipment
CPCPCM2054A	Carry out simple concreting and rendering
CPCPCM2055A	Work safely on roofs
CPCPCM3021A	Flash penetrations through roofs and walls
CPCPCM3022A	Weld polyethylene and polypropylene pipes using fusion method
CPCPCM3023A	Fabricate and install non-ferrous pressure piping
RIICCM210A	Install trench support
CPCPWT3021A	Set out and install water services
CPCPWT3022A	Install and adjust water service controls and devices
CPCPWT3023A	Install and commission water heating systems
CPCPWT3024A	Install & maintain domestic water treatment equipment
CPCPWT3025A	Install water pumpsets
CPCPWT3026A	Fit off and commission heated and cold water services
CPCPWT3027A	Connect irrigation systems from drinking water supply
CPCPWT3028A	Install water service
CPCPWT3029A	Install water pipe systems
CPCPWT3020A	Connect and install storage tanks to a domestic water supply
CPCPIG2021A	Design domestic urban irrigation systems
CPCPIG3021A	Set out, install and commission irrigation systems
CPCPIG3022A	Install and commission domestic irrigation pumps
CPCPFS3031A	Fabricate and install fire hydrant and hose reel systems
CPCPFS3037A	Install domestic and residential life safety sprinkler systems.

### Competencies for registration – Irrigation (Non-agricultural) work

CPCPCM2041A	Work effectively in the plumbing and services sector
CPCPCM2039A	Carry out interactive workplace communication
CPCPCM2043A	Carry out WHS requirements
CPCPCM2040A	Read plans and calculate plumbing quantities
CPCPCM2045A	Handle and store plumbing materials
CPCPCM2046A	Use plumbing hand and power tools
CPCPCM2047A	Carry out levelling
CPCPCM2050A	Mark out materials
HLTFA211A	Provide basic emergency life support

CPCPCM2052A	Weld using oxy-acetylene equipment
CPCPCM2054A	Carry out simple concreting and rendering
RIICCM210A	Install trench support
CPCPIG2021A	Design domestic urban irrigation systems
CPCPIG3021A	Set out, install and commission irrigation systems
CPCPWT3027A	Connect irrigation systems from drinking water supply
CPCPIG3022A	Install and commission domestic irrigation pumps

### Competencies for registration – Roofing (Stormwater) work

CPCPCM2041A	Work effectively in the plumbing and services sector
CPCPCM2039A	Carry out interactive workplace communication
CPCPCM2043A	Carry out WHS requirements
CPCPCM2040A	Read plans and calculate plumbing quantities
CPCPCM2045A	Handle and store plumbing materials
CPCPCM2046A	Use plumbing hand and power tools
CPCPCM2047A	Carry out levelling
CPCPCM2048A	Cut and join sheet metal
CPCPCM2049A	Cut with Oxy-LPG / Acetylene equipment
CPCPCM2050A	Mark out materials
HLTFA211A	Provide basic emergency life support
CPCPCM2053A	Weld using manual metal arc welding equipment
CPCPCM2054A	Carry out simple concreting and rendering
CPCPCM3021A	Flash penetrations through roofs and walls
CPCPCM3022A	Weld polyethylene and polypropylene pipes using fusion method
CPCPCM2055A	Work safely on roofs
CPCPRF2022A	Select and install roof sheeting and wall cladding
CPCPRF2023A	Collect and store roof water
CPCPRF2024A	Fabricate roof coverings for curved structures
CPCPRF3021A	Receive roofing materials
CPCPRF3022A	Fabricate and install roof drainage components
CPCPRF3023A	Fabricate and install external flashings
CPCPRF3024A	Install roof components
CPCPRF3025A	Install roof coverings to curved roof structures
CPCPRF3026A	Install composite roof systems

**Competencies for registration – Fire Protection work**

CPCPCM2041A	Work effectively in the plumbing and services sector
CPCPCM2039A	Carry out interactive workplace communication
CPCPCM2043A	Carry out WHS requirements
CPCPCM2040A	Read plans and calculate plumbing quantities
CPCPCM2045A	Handle and store plumbing materials
CPCPCM2046A	Use plumbing hand and power tools
CPCPCM2047A	Carry out levelling
CPCPCM2048A	Cut and join sheet metal.
CPCPCM2049A	Cut with Oxy-LPG / Acetylene equipment
CPCPCM2050A	Mark out materials
HLTFA211A	Provide basic emergency life support
CPCPCM2052A	Weld using oxy-acetylene equipment
CPCPCM2053A	Weld using manual metal arc welding equipment
CPCPCM3023A	Fabricate and install non-ferrous pressure piping
CPCPFS2021A	Connect static storage tanks for fixed fire protection systems
CPCPFS3031A	Fabricate and install fire hydrant and hose reel systems
CPCPFS3034A	Install control valve assemblies, actuating devices and local alarms
CPCPFS3036A	Install special hazard systems
CPCPFS3037A	Install domestic and residential life safety sprinkler systems
CPCPFS3038A	Test and maintain fire hydrant and hose reel installations
CPCPFS3039A	Test and maintain automatic fire sprinklers
CPCPFS3030A	Design pre-calculated fire sprinkler systems
CPCPFS3044A	Install distribution and range pipes
CPCPFS3045A	Fit-off sprinkler heads, controls and ancillary equipment
CPCPFS3046A	Test the integrity of water-based fire protection systems using pressure
CPCPMS3031A	Fabricate and install steel pressure piping
CPPFES2025A	Inspect, test and maintain gaseous fire suppression systems
CPPFES2047A	Inspect and test control and indicating equipment
CPPFES2043A	Prevent ozone depleting substance and synthetic greenhouse gas emissions
CPCPWT3025A	Install water pumpsets
CPCPWT3028A	Install water service
CPCPFS3040A	Conduct basic functional testing of water-based fire suppression systems
CPCPFS3041A	Inspect and test fire pumpsets
CPCPFS3042A	Conduct annual functional testing of complex water-based fire suppression systems

CPCPFS3043A	Conduct functional water flow testing
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### Competencies for registration – Mechanical Services work

CPCPCM2041A	Work effectively in the plumbing and services sector
CPCPCM2039A	Carry out interactive workplace communication
CPCPCM2043A	Carry out WHS requirements
CPCPCM2040A	Read plans and calculate plumbing quantities
CPCPCM2045A	Handle and store plumbing materials
CPCPCM2046A	Use plumbing hand and power tools
CPCPCM2047A	Carry out levelling
CPCPCM2048A	Cut and join sheet metal
CPCPCM2049A	Cut with Oxy-LPG / Acetylene equipment
CPCPCM2050A	Mark out materials
HLTFA211A	Provide basic emergency life support
CPCPCM2052A	Weld using oxy-acetylene equipment
CPCPCM2053A	Weld using manual metal arc welding equipment
CPCPCM2054A	Carry out simple concreting and rendering
CPCPCM2055A	Work safely on roofs
CPCPCM3021A	Flash penetrations through roofs and walls
CPCPCM3023A	Fabricate and install non-ferrous pressure piping
CPCPMS2021A	Assemble mechanical services components
CPCPMS3031A	Fabricate and install steel pressure piping
CPCPMS3032A	Select and fit insulation and sheathing.
CPCPMS3033A	Install small bore heating systems
CPCPMS3034A	Install medical gas pipeline systems
CPCPMS3035A	Install and test ducting systems
CPCPMS3036A	Install air handling units
CPCPMS3038A	Install air conditioning control equipment
CPCPMS3039A	Maintain mechanical services equipment
CPCPMS3040A	Install and maintain evaporative air cooling systems
UEENEEJ102A	Prepare and connect refrigerant tubing and fittings
UEENEEJ105A	Position, assemble and start up single head split air conditioning and water heating heat pump systems
UEENEEJ172A	Recover, pressure test, evacuate, charge and leak test refrigerants – split systems

## Competencies for registration – Gasfitting work

CPCPCM2041A	Work effectively in the plumbing and services sector
CPCPCM2039A	Carry out interactive workplace communication
CPCPCM2043A	Carry out WHS requirements
CPCPCM2040A	Read plans and calculate plumbing quantities
CPCPCM2045A	Handle and store plumbing materials
CPCPCM2046A	Use plumbing hand and power tools
CPCPCM2047A	Carry out levelling
CPCPCM2048A	Cut and join sheet metal
CPCPCM2049A	Cut with Oxy-LPG / Acetylene equipment
CPCPCM2050A	Mark out materials
HLTFA211A	Provide basic emergency life support
CPCPCM2052A	Weld using oxy-acetylene equipment
CPCPCM2053A	Weld using manual metal arc welding equipment
CPCPCM2054A	Carry out simple concreting and rendering
CPCPCM2055A	Work safely on roofs
CPCPCM3021A	Flash penetrations through roofs and walls
CPCPCM3023A	Fabricate and install non-ferrous pressure piping
RIICCM210A	Install trench support
CPCPGS3056A	Install gas piping systems
CPCPGS3057A	Size consumer gas piping systems
CPCPGS3059A	Install LPG storage of aggregate storage capacity up to 500 litres
CPCPGS3060A	Install LPG storage of aggregate storage capacity exceeding 500 litres and less than 8 KL
CPCPGS3061A	Install and commission Type A gas appliances
CPCPGS3046A	Install LPG systems in caravans, mobile homes and mobile workplaces
CPCPGS3047A	Install LPG systems in marine craft
CPCPGS3048A	Install gas pressure control equipment
CPCPGS3049A	Install Type A appliance flues
CPCPGS3050A	Install Type B gas appliance flues
CPCPGS3051A	Purge consumer piping
CPCPGS3052A	Maintain Type A gas appliances
CPCPGS3053A	Disconnect and reconnect Type A gas appliances
CPCPGS3054A	Calculate and install natural ventilation for Type A gas appliances

## Licensing

The qualifications and experience required for a licence under section 221M to carry out a class of plumbing work are:

(a) successful completion of the Authority’s examination of licence competencies for that class of plumbing work.

*Note:* Section 221M(1)(a) of the *Building Act 1993* requires a person to be eligible for registration with respect to a class of plumbing work in order to be licensed to carry out that class of plumbing work.

The approved competency units for a licence for each class of plumbing work are:

### Competencies for licence – Gasfitting work

CPCPCM4011A	Carry out work based risk control processes
CPCPCM4012A	Estimate and cost work
BSBSMB401A	Establish legal and risk management requirements of small business
CPCPGS4011C	Design and size consumer gas installations

### Competencies for licence – Drainage work

CPCPCM4011A	Carry out work based risk control processes
CPCPCM4012A	Estimate and cost work
BSBSMB401A	Establish legal and risk management requirements of small business
CPCPDR4011B	Design and size sanitary drainage systems
CPCPDR4012B	Design and size stormwater drainage systems
CPCPDR4013B	Design and size domestic treatment plant disposal systems

### Competencies for licence – Sanitary work

CPCPCM4011A	Carry out work based risk control processes
CPCPCM4012A	Estimate and cost work
BSBSMB401A	Establish legal and risk management requirements of small business
CPCPSN4011B	Design and size sanitary plumbing systems

### Competencies for licence – Water Supply work

CPCPCM4011A	Carry out work based risk control processes
CPCPCM4012A	Estimate and cost work
BSBSMB401A	Establish legal and risk management requirements of small business
CPCPWS4011B	Design & size heated and cold water services and systems



**Competencies for licence – Fire Protection work**

CPCPCM4011A	Carry out work based risk control processes
CPCPCM4012A	Estimate and cost work
BSBSMB401A	Establish legal and risk management requirements of small business
CPCPFS4021A	Design residential and domestic fire sprinkler systems
CPCPFS4022A	Commission and maintain special hazard fire suppression systems

**Competencies for licence – Irrigation (Non-agricultural) work**

CPCPCM4011A	Carry out work based risk control processes
CPCPCM4012A	Estimate and cost work
BSBSMB401A	Establish legal and risk management requirements of small business

**Competencies for licence – Roofing (Stormwater) work**

CPCPCM4011A	Carry out work based risk control processes
CPCPCM4012A	Estimate and cost work
BSBSMB401A	Establish legal and risk management requirements of small business
CPCPRF4011B	Design and size roof drainage systems

**Competencies for licence – Mechanical Services work**

CPCPCM4011A	Carry out work based risk control processes
CPCPCM4012A	Estimate and cost work
BSBSMB401A	Establish legal and risk management requirements of small business
CPCPMS4011B	Plan, size and lay out heating and cooling systems

## Schedule 3, Part 2 – Qualifications and experience required in respect of classes of specialised plumbing work

### Registration

The qualifications and experience required for registration under section 221OA of the *Building Act 1993* to carry out a class of specialised plumbing work are:

- (a) successful completion of the Authority’s examination of registration competencies for that class of specialised plumbing work.

The approved competency units for registration for each class of specialised plumbing work are:

#### Competencies for registration – Type A Appliance Servicing work

CPCPGS4022A	Service Type A gas appliances
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#### Competencies for registration – Type B Gasfitting work

CPCPGS4023B	Install, commission and service Type B gas appliances
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#### Competencies for registration – Backflow Prevention work

CPCPWT4022A	Commission and maintain backflow prevention devices
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### Licensing

The qualifications and experience required for a licence under section 221N of the *Building Act 1993* to carry out a class of specialised plumbing work are:

- (a) successful completion of the Authority’s examination of licence competencies for that class of specialised plumbing work.

The approved competency units for a licence for each class of specialised plumbing work are:

#### Competencies for licence – Type A Appliance Servicing work

CPCPGS4022A	Service Type A gas appliances
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#### Competencies for licence – Type B Gasfitting work

CPCPGS4023B	Install, commission and service Type B gas appliances
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#### Competencies for licence – Backflow Prevention work

CPCPWT4022A	Commission and maintain backflow prevention devices.
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