Technical qualifications for licensing

Plumbing and drainage occupational licence requirements - *Plumbing and Drainage Act 2018*

Document history

Version numbers	Date of publications	Key changes
V1 to V5	1 April 2016 to 3 August 2022	Published by the QBCC
V6	1 July 2024	Transfer of plumbing and drainage occupational licencing from the QBCC to Department of Housing, Local Government, Planning and Public Works as per *Building Industry Fairness and Other Legislation Amendment Act 2024*
V7	2 November 2026	This document has been reviewed to: • recognise the high standard of training provided through the Australian Apprenticeship framework by allowing individuals who have completed an Australian Apprenticeship and obtained a relevant Certificate III in Plumbing to apply for a full occupational licence • recognise former eligible QBCC licensees seeking to return to the trade (within 10 years) • clarify that endorsements apply exclusively to plumbers' licences, provisional plumbers' licences, drainers' licences, and provisional drainers' licences • improve readability.

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Purpose

The purpose of this document is to set out the technical qualifications and practical experience requirements for plumbing and drainage occupational licence classes and endorsements established under Part 2 of the *Plumbing and Drainage Act 2018* (Qld) (PD Act).

Background

The Department of Housing and Public Works (the department) is responsible for developing and implementing the policy and legislation relevant to the Queensland Building and Construction Commission (QBCC), including the PD Act. This includes the responsibility for prescribing the qualifications and experience requirements for licensing under the PD Act.

The QBCC is a statutory body which regulates Queensland's building and construction industry. The QBCC is responsible for licensing individuals and companies in Queensland's building and construction industry, including contractors and occupational licensees.

Legislation

Plumbing and Drainage Act 2018

Part 2, Division 1 of the PD Act establishes the following classes of plumber or drainer licence that a person may apply for:

- **plumbers licence** – entitles the licence holder to carry out the plumbing work for which the licence is granted
- **drainers licence** – entitles the licence holder to carry out the drainage work for which the licence is granted
- **restricted licence** – entitles the licence holder to carry out only the plumbing or drainage work for which the licence is granted.

Part 2, Division 2 of the PD Act requires the chief executive to decide the qualifications and practical experience an individual must have to be entitled to either a licence or a restricted licence, and publish the requirements on the department's website.

Part 2, Division 4 of the PD Act establishes endorsements that the QBCC Commissioner (Commissioner) may make on a licence issued under Part 2, Division 1 of the PD Act (licences listed above). To be eligible for an endorsement, an individual must hold the qualifications and experience prescribed by the chief executive and published on the department's website.

Please note:

- Under section 17 (2)(b) of the PD Act, the Commissioner may, by notice given to the applicant require the applicant to undergo an examination to assess the applicant's ability to competently practise the plumbing and drainage trade. For example, an examination may be required by the QBCC Commissioner where an applicant is relying on a qualification which was completed prior to 1 January 2011 or through an apprenticeship in another country.
- Under section 19 (1) and (2) of the PD Act, the Commissioner may grant a provisional licence to an applicant.
- Under sections 20 and 52, 1 (c) of the PD Act, the Commissioner may grant, change or impose new licence conditions considered necessary or desirable for the licensee to competently practise the plumbing and drainage trade.
- Under Schedule 4, Parts 4 and 5 of the Plumbing and Drainage Regulation 2019 (PD Regulation) endorsements apply exclusively to plumbers or provisional plumbers licences and drainers or provisional drainers licences.

Plumbing and Drainage Regulation 2019

Sections 13 and 15 and Schedule 4 of the PD Regulation prescribes the scope of work that can be performed by the licensee.

Definitions

Australian Government National Training Register (NTR) means the NTR commonly referred to as training.gov.au which is the official database of nationally recognised training in Australia.

Australian Registered Training Organisation (RTO) means a training provider that is officially registered by the relevant government authority to deliver nationally recognised training and qualifications under the Australian Qualifications Framework.

Backflow Prevention Revalidation course means the *non-accredited* specialised training course designed for licensed plumbers who have previously held an endorsement on their plumbing licence enabling them to test and maintain backflow prevention devices (refer to Schedule 4, Part 4, section 1 of the PD Regulation).

Former licence means a licence lawfully issued by the QBCC under the PD Act, that has now expired.

Former licensee means a person recorded by the QBCC as being the holder of a former licence.

Non-accredited means an industry specific training course not listed on the NTR and does not lead to a nationally recognised qualification or statement of attainment.

QBCC means the Queensland Building and Construction Commission.

About this document

This document sets out the technical qualification and practical experience requirements for the classes of licence and endorsements established under Part 2 of the PD Act. All Australian qualifications and units of competency referenced in this document, refers to qualifications or units of competency that are nationally recognised and published on the NTR.

For readability the headings under Schedule 4 of the PD Regulation (scope of work) have been used, rather than the licence classes stated in the PD Act.

Qualifications and practical experience requirements for licence classes

Schedule 4, Part 1 - Plumbers licence

Part 1 of this document relates to section 14 of the PD Act and Schedule 4, Part 1 of the PD Regulation which relates to the issuing of a plumbers licence. The requirements for a plumbers licence include both the qualifications and practical experience as stated below.

Qualifications

The successful completion of any of the following qualifications:

(a) A plumbing apprenticeship completed in an Australian jurisdiction, and a Certificate III in Plumbing CPC32420 with the competencies provided in Appendix A.

(b) A plumbing apprenticeship completed in an Australian jurisdiction, and one of the following qualifications:

(i) Certificate III in Plumbing CPC32413
(ii) Certificate III in Plumbing CPC32412
(iii) Certificate III in Plumbing CPC32411
(iv) Certificate III in Plumbing CPC32408

(c) A plumbing apprenticeship completed in an Australian jurisdiction, and a qualification which has been assessed and verified by a registered training organisation as at least equivalent to a Certificate III in Plumbing CPC32420

(d) A plumbing apprenticeship completed in an Australian jurisdiction, and a qualification in plumbing completed prior to 1 January 2011 if the applicant has also completed the following units of competency from the Certificate III in Plumbing CPC32420:

(i) CPCPCM2043 – Carry out WHS requirements
(ii) CPCCWHS2001 – Apply OHS requirements, policies and procedures in the construction industry; and
(iii) CPCPFS3038 – Test and maintain fire hydrant and hose reel installations

(e) A plumbing apprenticeship completed outside an Australian jurisdiction, and a qualification which has been assessed and verified by a registered training organisation as at least equivalent to a Certificate III in Plumbing CPC32420

(f) A plumbing apprenticeship completed outside an Australian jurisdiction, and a qualification which has been assessed and verified by a registered training organisation as at least equivalent to a Certificate III in Plumbing CPC32420 because the applicant has also successfully completed relevant gap training competencies recognised in the National Register on Vocational Education and Training (VET) in Australia

(g) A Certificate III in Plumbing CPC32420 or a qualification which has been assessed and verified by a registered training organisation as at least equivalent to a Certificate III in Plumbing CPC32420, that was not completed through an apprenticeship, provided the certificate or qualification excludes reliance on recognition of prior learning for any period where unlawful work (including work without the required licence) was carried out

Example: Paragraph (g) may apply to appropriately qualified Australian Defence Force personnel who completed their training as part of their service.

(h) Has previously held a QBCC licence (former licence) and meets the following criteria. The:

(i) scope of work for the former licence is equivalent to the scope of work for the plumbers licence (refer Schedule 4, Part 1 of the PD Regulation); and

(ii) the licence is unable to be restored under section 33(2)(a) of the PD Act because it has been longer than 1 year since the licence expired; and

(iii) application is made within 10 years after the day the licence expired; and

(iv) applicant is not disqualified from holding an occupational licence issued by the QBCC.

Practical experience requirements

(a) Where the required qualification is obtained pursuant to paragraphs (a), (b), (c), (d) or (h) - no practical experience.

(b) Where the required qualification is obtained pursuant to paragraphs (e) or (f) above, at least one (1) year's practical plumbing experience after successful completion of the required qualification.

(c) Where the required qualification is obtained pursuant to paragraph (g) above, four (4) years practical plumbing experience after successful completion of the required qualification.

Practical plumbing experience means performing a wide range of plumbing work relative to competencies within the Certificate III in Plumbing CPC32420.

Schedule 4, Part 2 - Drainers licence

Part 2 of this document relates to section 14 of the PD Act and Schedule 4, Part 2 of the PD Regulation which relates to the issuing of a drainers licence.

The requirements for a drainers licence include both the qualifications and practical experience as stated below.

Qualifications

The successful completion of any of the following qualifications:

Drainage qualifications

(a) A Certificate II in Drainage CPC20720 completed other than through a recognition of prior learning process

(b) A Certificate II in Drainage CPC20720 completed through a recognition of prior learning process provided the qualification (in whole or part) was not obtained through a recognition of prior learning process that relied on the applicant performing unlawful work (including work without the required licence)

(c) A qualification, other than a qualification completed through a recognition of prior learning process, which has been assessed and verified by a registered training organisation as at least equivalent to a Certificate II in Drainage CPC20720

(d) A qualification completed in another country, completed other than through a recognition of prior learning or like process, which has been assessed and verified as at least equivalent to a Certificate II in Drainage CPC20720 because the applicant has also successfully completed relevant gap training competencies recognised in the National Register on Vocational Education and Training (VET) in Australia

(e) A qualification listed above which has been completed through a recognition of prior learning process provided that the qualification was not obtained through a recognition of prior learning process that relied on the applicant performing unlawful work (including work without the required licence)

(f) Has previously held a QBCC licence (former licence) and meets the following criteria. The:

  (i) scope of work for the former licence is equivalent to the scope of work for the drainers licence (refer Schedule 4, Part 2 of the PD Regulation); and

  (ii) the licence is unable to be restored under section 33(2)(a) of the PD Act because it has been longer than 1 year since the licence expired; and

  (iii) application is made within 10 years after the day the licence expired; and

  (iv) applicant is not disqualified from holding an occupational licence issued by the QBCC.

Plumbing and drainage qualifications

(g) A qualification for a plumbers licence as provided in Part 1, subsection (a) to (h) excluding (d) of this document

(h) A plumbing apprenticeship completed in Australian jurisdiction, and a plumbing and drainage qualification completed prior to 1 January 2011 if the applicant has also completed the following units of competency from the Certificate III in Plumbing CPC32420:

  (i) CPCPCM2043 – Carry out WHS requirements

  (ii) CPCCWHS2001– Apply OHS requirements, policies and procedures in the construction industry.

Practical experience requirements

(a) At least one (1) year's practical drainage experience, except where the required qualification is obtained pursuant to paragraph (f), in which case no practical experience is required.

Practical drainage experience means performing a wide range of drainage work relative to the competencies within the Certificate II in Drainage CPC20720.

Schedule 4, Part 3 - Restricted licence

Part 3 of this document relates to section 14 of the PD Act and Schedule 4, Part 3 of the PD Regulation which relates to the issuing of restricted licences.

1. Water plumber – gas

Applicants must hold the licence prescribed in (a) and the qualifications prescribed in (b) and (c) or (d).

Qualifications

(a) Hold, under the *Petroleum and Gas (Production and Safety) Act 2004*, a gas work licence; and

(b) CPCPWT3022 — Install and commission water heating systems and adjust controls and devices; and

(c) CPCPCM2043 — Carry out WHS requirements; or

(d) Has previously held a QBCC licence (former licence) and meets the following criteria. The:

  (i) scope of work for the former licence is equivalent to the scope of work for the licence being applied for (refer Schedule 4, Part 3 of the PD Regulation); and

  (ii) the licence is unable to be restored under section 33(2)(a) of the PD Act because it has been longer than 1 year since the licence expired; and

  (iii) application is made within 10 years after the day the licence expired; and

  (iv) applicant is not disqualified from holding an occupational licence issued by the QBCC.

Practical experience requirements

No practical experience.

2. Water plumber – electrical

Applicants must hold the licence prescribed in (a) and the qualifications prescribed in (b) and (c) or (d).

Qualifications

(a) Hold, under the *Electrical Safety Act 2002*, an electrical mechanic licence or an electrical fitter licence; and

(b) CPCPWT3022 — Install and commission water heating systems and adjust controls and devices; and

(c) CPCPCM2043 — Carry out WHS requirements; or

(d) Has previously held a QBCC licence (former licence) and meets the following criteria. The:

  (i) scope of work for the former licence is equivalent to the scope of work for the licence being applied for (refer Schedule 4, Part 3 of the PD Regulation); and

  (ii) the licence is unable to be restored under section 33(2)(a) of the PD Act because it has been longer than 1 year since the licence expired; and

  (iii) application is made within 10 years after the day the licence expired; and

  (iv) applicant is not disqualified from holding an occupational licence issued by the QBCC.

Practical experience requirements

No practical experience.

3. Water plumber – irrigation

The requirements for a water plumber – irrigation licence include both the qualifications and practical experience as stated below.

Qualifications

The successful completion of any of the following qualifications:

(a) Certificate III in Irrigation Technology AHC32422

(b) Certificate III in Irrigation Technology AHC32419

(c) Certificate II in Urban Irrigation CPC20912; or

(d) Has previously held a QBCC licence (former licence) and meets the following criteria. The:

  (i) scope of work for the former licence is equivalent to the scope of work for the licence being applied for (refer Schedule 4, Part 3 of the PD Regulation); and

  (ii) the licence is unable to be restored under section 33(2)(a) of the PD Act because it has been longer than 1 year since the licence expired; and

  (iii) application is made within 10 years after the day the licence expired; and

  (iv) applicant is not disqualified from holding an occupational licence issued by the QBCC.

Practical experience requirements

(a) Where the required qualification is obtained pursuant to paragraph (a),(b) or (c), the practical experience for each of the competencies in the abovementioned qualifications

(b) Where the required qualification is obtained pursuant to paragraph (d), no practical experience.

4. Water plumber – fire protection (hydrants and hose reels)

The requirements for a water plumber – fire protection (hydrants and hose reels) licence include both the qualifications and practical experience as stated below.

Qualifications

The successful completion of any of the following qualifications:

Plumbing qualifications

(a) A qualification for a plumbers licence as provided in Schedule 4, Part 1, subsection (a) to (g) of this document

Fire protection qualifications

(b) A fire protection apprenticeship completed in an Australian jurisdiction, and a Certificate III in Fire Protection completed after 1 January 2011

(c) A fire protection apprenticeship completed in an Australian jurisdiction, and a qualification in fire protection completed prior to 1 January 2011 if the applicant has also completed the following units of competency:

(i) CPCPCM2043 – Carry out WHS requirements
(ii) CPCPFS3046 – Test the integrity of water-based fire protection systems using pressure
(iii) CPCPFS3047 – Test and maintain automatic fire sprinklers
(iv) CPCPFS3037 – Install residential life safety sprinkler systems
(v) CPCP FS3041 – Inspect and test fire pumpsets

(d) A fire protection apprenticeship completed outside an Australian jurisdiction, and a qualification which has been assessed and verified by a registered training organisation as at least equivalent to a Certificate III in Fire Protection CPC32820; or

(e) A fire protection apprenticeship completed outside an Australian jurisdiction, and a qualification which has been assessed and verified by a registered training organisation as at least equivalent to a Certificate III in Fire Protection CPC32820 because the applicant has also successfully completed relevant gap training competencies recognised in the National Register on Vocational Education and Training (VET) in Australia

(f) Has previously held a QBCC licence (former licence) and meets the following criteria. The:

(i) scope of work for the former licence is equivalent to the scope of work for the licence being applied for (refer Schedule 4, Part 3 of the PD Regulation); and

(ii) the licence is unable to be restored under section 33(2)(a) of the PD Act because it has been longer than 1 year since the licence expired; and

(iii) application is made within 10 years after the day the licence expired; and

(iv) applicant is not disqualified from holding an occupational licence issued by the QBCC.

Practical experience requirements

No practical experience.

5. Water plumber – fire protection (commercial and industrial)

The requirements for a water plumber – fire protection (commercial and industrial) licence include both the qualifications and practical experience as stated below.

Qualifications

The successful completion of any of the following qualifications:

(a) A fire protection apprenticeship completed in an Australian jurisdiction, and completion of a Certificate III in Fire Protection completed after 1 January 2011.

(b) A fire protection apprenticeship completed in an Australian jurisdiction, and a qualification in fire protection completed prior to 1 January 2011 if the applicant has also completed the following units of competency:

(i) CPCPCM2043 – Carry out WHS requirements

(ii) CPCPFS3046 – Test the integrity of water-based fire protection systems using pressure
(iii) CPCPFS3047 – Test and maintain automatic fire sprinklers
(iv) CPCPFS3037 – Install residential life safety sprinkler systems
(v) CPCPFS3041 – Inspect and test fire pumpsets

(c) A fire protection apprenticeship completed outside an Australian jurisdiction, and a qualification which has been assessed and verified by a registered training organisation as at least equivalent to a Certificate III in Fire Protection (CPC32820); or

(d) A fire protection apprenticeship completed outside an Australian jurisdiction, and a qualification which has been assessed and verified by a registered training organisation as at least equivalent to a Certificate III in Fire Protection (CPC32820) because the applicant has also successfully completed relevant gap training competencies recognised in the National Register on Vocational Education and Training (VET) in Australia

(c) Has previously held a QBCC licence (former licence) and meets the following criteria. The:

(i) scope of work for the former licence is equivalent to the scope of work for the licence being applied for (refer Schedule 4, Part 3 of the PD Regulation); and

(ii) the licence is unable to be restored under section 33(2)(a) of the PD Act because it has been longer than 1 year since the licence expired; and

(iii) application is made within 10 years after the day the licence expired; and

(iv) applicant is not disqualified from holding an occupational licence issued by the QBCC.

Practical experience requirements

No practical experience.

6. Water plumber – fire protection (domestic and residential)

The requirements for a water plumber – fire protection (domestic and residential) licence include both the qualifications and practical experience as stated below.

Qualifications

The successful completion of any of the following qualifications:

Plumbing qualifications

(a) A qualification for a plumbers licence as provided in Schedule 4, Part 1, subsection (a) to (g) of this document, and the following additional competencies:

(i) CPCPFS3037 — Install residential life safety sprinkler systems; and
(ii) CPCPFS4021 — Commission domestic and residential fire suppression sprinkler systems; and
(iii) CPCPFS4024 — Design residential and domestic fire sprinkler systems.

Fire protection qualifications

Any one of the qualifications provided in (b) to (e), including the completion of the following units of competency (or equivalent):

(i) CPCPFS4021 – Commission domestic and residential fire suppression sprinkler systems; and
(ii) CPCPFS4024 – Design residential and domestic fire sprinkler systems.

(b) A fire protection apprenticeship completed in an Australian jurisdiction, and a Certificate III in Fire Protection completed after 1 January 2011

(c) A fire protection apprenticeship completed in an Australian jurisdiction, and a qualification in fire protection completed prior to 1 January 2011 if the applicant has also completed the following units of competency:

(i) CPCPCM2043 – Carry out WHS requirements
(ii) CPCPFS3046 – Test the integrity of water-based fire protection systems using pressure
(iii) CPCPFS3047 – Test and maintain automatic fire sprinklers
(iv) CPCPFS3037 – Install residential life safety sprinkler systems
(v) CPCPFS3041 – Inspect and test fire pumpsets

(d) A fire protection apprenticeship completed outside an Australian jurisdiction, and a qualification which has been assessed and verified by a registered training organisation as at least equivalent to a Certificate III in Fire Protection CPC32820; or

(e) A fire protection apprenticeship completed outside an Australian jurisdiction, and a qualification which has been assessed and verified by a registered training organisation as at least equivalent to a Certificate III in Fire Protection CPC32820 because the applicant has also successfully completed relevant gap training competencies recognised in the National Register on Vocational Education and Training (VET) in Australia

(f) Has previously held a QBCC licence (former licence) and meets the following criteria. The:

(i) scope of work for the former licence is equivalent to the scope of work for the licence being applied for (refer Schedule 4, Part 3 of the PD Regulation); and

(ii) the licence is unable to be restored under section 33(2)(a) of the PD Act because it has been longer than 1 year since the licence expired; and

(iii) application is made within 10 years after the day the licence expired; and

(iv) applicant is not disqualified from holding an occupational licence issued by the QBCC.

Practical experience requirements

No practical experience.

7. Water plumber – water and sanitary

The requirements for a water plumber – water and sanitary licence include both the qualifications and practical experience as stated below.

Qualifications

The successful completion of any of the following qualifications:

(a) A mechanical services apprenticeship completed in an Australian jurisdiction, and a Certificate III in Plumbing (Mechanical Services) CPC32513

(b) A mechanical services apprenticeship completed in an Australian jurisdiction, and a qualification which has been assessed and verified by a registered training organisation as at least equivalent to a Certificate III in Plumbing (Mechanical Services) CPC32513

(c) A mechanical services apprenticeship completed outside an Australian jurisdiction, and a qualification which has been assessed and verified by a registered training organisation as at least equivalent to a Certificate III in Plumbing (Mechanical Services) CPC32513

(d) A mechanical services apprenticeship completed outside an Australian jurisdiction, and a qualification which has been assessed and verified by a registered training organisation as at least equivalent to a Certificate III in Plumbing (Mechanical Services) CPC35213 because the applicant has also successfully completed relevant gap training competencies recognised in the National Register on Vocational Education and Training (VET) in Australia.

(e) Has previously held a QBCC licence (former licence) and meets the following criteria. The:

  (i) scope of work for the former licence is equivalent to the scope of work for the licence being applied for (refer Schedule 4, Part 3 of the PD Regulation); and

  (ii) the licence is unable to be restored under section 33(2)(a) of the PD Act because it has been longer than 1 year since the licence expired; and

  (iii) application is made within 10 years after the day the licence expired; and

  (iv) applicant is not disqualified from holding an occupational licence issued by the QBCC.

Practical experience requirements

No practical experience.

8. Drainer – on-site sewage facility (maintaining on-site sewage facilities)

The requirements for a drainer – on-site sewage facility (maintaining on-site sewage facilities) licence include both the qualifications and practical experience as stated below.

Qualifications

Maintaining on-site sewage facilities:

(a) WEP01B – Maintain and service domestic treatment plants and onsite sewerage facilities (*non-accredited*); and

(b) CPCPDR4013 – Design and size domestic treatment plant disposal systems; or

(c) Has previously held a QBCC licence (former licence) and meets the following criteria. The:

(i) scope of work for the former licence is equivalent to the scope of work for the licence being applied for (refer Schedule 4, Part 3 of the PD Regulation); and

(ii) the licence is unable to be restored under section 33(2)(a) of the PD Act because it has been longer than 1 year since the licence expired; and

(iii) application is made within 10 years after the day the licence expired; and

(iv) applicant is not disqualified from holding an occupational licence issued by the QBCC.

Practical experience requirements

(a) Where the required qualification is obtained pursuant to paragraph (a) and (b), at least six (6) months practical experience in the work within the scope of work for which the licence is issued.

(b) Where the required qualification is obtained pursuant to paragraph (c), no practical experience.

9. Drainer – on-site sewage facility (carrying out OSTP installation work and maintaining on-site sewage facilities)

The requirements for a drainer – on-site sewage facility (carrying out On-site Sewage Treatment Plant (OSTP) installation work and maintaining on-site sewage facilities) licence include both the qualifications and practical experience as stated below.

Qualifications

Maintaining on-site sewage facilities and OSTP installation work:

(a) WEP01B – Maintain and service domestic treatment plants and onsite sewerage facilities (*non-accredited*); and

(b) CPCPDR4013 – Design and size domestic treatment plant disposal systems; and

(c) CPCPCM2043 – Carry out WHS requirements; and

(d) CPCPDR3023 – Install on-site domestic wastewater treatment plants and disposal systems; or

(e) Has previously held a QBCC licence (former licence) and meets the following criteria. The:

(i) scope of work for the former licence is equivalent to the scope of work for the licence being applied for (refer Schedule 4, Part 3 of the PD Regulation); and

(ii) the licence is unable to be restored under section 33(2)(a) of the PD Act because it has been longer than 1 year since the licence expired; and

(iii) application is made within 10 years after the day the licence expired; and

(iv) applicant is not disqualified from holding an occupational licence issued by the QBCC.

Practical experience requirements

(a) Where the required qualification is obtained pursuant to paragraph (a) – (d), at least six (6) months practical experience in the work within the scope of work for which the licence is issued

(b) Where the required qualification is obtained pursuant to paragraph (e), no practical experience.

Schedule 4, Part 4 — Endorsements on licences

Part 4 of this document relates to section 14 of the PD Act and Schedule 4, Part 4 of the PD Regulation which relates to the issuing of endorsements on plumbers or provisional plumbers licences.

1. Backflow prevention

The requirements for a backflow prevention endorsement include both the qualifications and practical experience as stated below.

Qualifications

(a) **New application for the endorsement** – CPCPWT4022 — Commission and maintain backflow prevention devices; or

(b) **Renewal application by an existing licensee** - evidence of successful completion of the *Backflow Prevention Revalidation* course (*non-accredited*) within five (5) years of receiving the most recent endorsement.

Practical experience requirements

No practical experience.

2. Thermostatic mixing valve

The requirements for a thermostatic mixing valve endorsement include both the qualifications and practical experience as stated below.

Qualifications

CPCPWT4023 — Commission and maintain hot and heated water temperature control devices.

Practical experience

No practical experience.

3. Fire protection – commercial and industrial

The requirements for a fire protection – commercial and industrial endorsement include both the qualifications and practical experience as stated below.

Qualifications

The successful completion of any of the following qualifications:

(a) Successful completion of a Certificate III in Fire Protection completed after 1 January 2011.

(b) Successful completion of a qualification in fire protection completed prior to 1 January 2011 if the applicant has also completed the following units of competency:

(i) CPCPCM2043 — Carry out WHS requirements
(ii) CPCPFS3046 — Test the integrity of water-based fire protection systems using pressure
(iii) CPCPFS3047 — Test and maintain automatic fire sprinklers
(iv) CPCPFS3037 — Install residential life safety sprinkler systems; and

(v) CPCPFS3041 — Inspect and test fire pumpsets

Practical experience requirements

No practical experience.

4. Fire protection – domestic and residential

The requirements for a fire protection – domestic and residential endorsement include both the qualifications and practical experience as stated below.

Qualifications

(a) CPCPFS3037 — Install domestic and residential life safety sprinkler systems; and

(b) CPCPFS4021 — Commission domestic and residential fire suppression sprinkler systems; and

(c) CPCPFS4024 — Design residential fire sprinkler systems; and

(d) CPCPCM2043 — Carry out work health and safety requirements.

Practical experience requirements

No practical experience.

5. Solar and heat pump hot water system installation

The requirements for a solar and heat pump hot water system installation endorsement include both the qualifications and practical experience as stated below.

Qualifications

Course in Evaluating and Planning the Installation of Solar and Heat Pump Water Systems (*non-accredited*).

Practical experience requirements

No practical experience.

Schedule 4, Part 5 — Endorsements – drainers or provisional drainers licences

Part 5 of this document relates to section 14 of the PD Act and Schedule 4, Part 5 of the PD Regulation which relates to the issuing of endorsements on drainers or provisional drainers licences.

1. On-site sewage facility maintenance

The requirements for an on-site sewage facility maintenance endorsement include both the qualifications and practical experience as stated below.

Qualifications

(a) WEP01B — Maintain and service domestic treatment plants and on-site sewage facilities *(non-accredited);* and

(b) CPCPDR4013 — Design and size domestic treatment plant disposal systems;

Practical experience requirements

No practical experience.

Appendix A — Minimum competencies required for Certificate III in Plumbing CPC32420

Notes:

1. As outlined in Schedule 4, Part 1, (a) of this document, an applicant must successfully complete a Certificate III in Plumbing, which must include the following core units and the specified elective units of competency.
2. A qualification that supersedes and is recognised as equivalent to the competency listed below, as published on the Australian Government National Training Register, can be used to demonstrate completion of the prescribed competency.

Core units

CPCCCM2012	Work safely at heights
CPCPCM2039	Carry out interactive workplace communication
CPCPCM2040	Read plans, calculate quantities and mark out materials
CPCPCM2041	Work effectively in the plumbing services sector
CPCPCM2043	Carry out WHS requirements
CPCPCM2045	Handle and store plumbing materials
CPCPCM2046	Use plumbing hand and power tools
CPCPCM2047	Carry out levelling
CPCPCM2048	Cut and join sheet metal
CPCPCM2054	Carry out simple concreting and rendering
CPCPCM2055	Work safely on roofs
CPCPCM3021	Flash penetrations through roofs and walls
CPCPCM3022	Weld polymer pipes using fusion method
CPCPCM3023	Fabricate and install non-ferrous pressure piping
CPCPCM3024	Prepare simple drawings
CPCPCM3025	Install trench support
CPCPDR2021	Locate and clear blockages
CPCPDR2025	Install storm water and sub-soil drainage systems and drain work site
CPCPDR2026	Install prefabricated inspection openings and inspection chambers
CPCPDR3021	Plan layout and install below ground sanitary drainage systems
CPCPDR3023	Install on-site domestic wastewater treatment plants and disposal systems
CPCPFS3031	Fabricate and install fire hydrant and hose reel systems
CPCPGS3048	Install gas pressure control equipment
CPCPGS3049	Install gas appliance flues
CPCPGS3051	Purge consumer piping
CPCPGS3053	Disconnect and reconnect Type A gas appliances
CPCPGS3054	Calculate and install natural ventilation for Type A gas appliances
CPCPGS3056	Size and install consumer gas piping systems

CPCPGS3059	Install LPG storage of aggregate storage capacity up to 500 litres
CPCPGS3061	Install and commission Type A gas appliances
CPCPSN3011	Plan the layout of a residential sanitary plumbing system and fabricate and install sanitary stacks
CPCPSN3022	Install discharge pipes
CPCPWT3020	Connect and install storage tanks to a domestic water supply
CPCPWT3021	Set out and install water services
CPCPWT3022	Install and commission water heating systems and adjust controls and devices
CPCPWT3025	Install water pump sets
CPCPWT3026	Install and fit off sanitary fixtures, water services and adjust water service controls
CPCPWT3027	Install back flow prevention devices
CPCPRF2023	Collect and store roof water
CPCPRF3022	Fabricate and install roof drainage systems
CPCPRF3023	Fabricate and install external flashings
CPCPRF3024	Install roof components
HLTAID011	Provide first aid

Elective units

CPCCCM2008	Erect and dismantle restricted height scaffolding
CPCPFS3038	Test and maintain fire hydrant and hose reel installations
CPCPWT3024	Install and maintain domestic water treatment equipment
CPCPWT3028	Install property service
CPCPWT3029	Install water pipe systems
CPCCWHS2001	Apply WHS requirements, policies and procedures in the construction industry
CPCPRF2022	Select and install roof sheeting and wall cladding
CPCPRF3026	Install roof sheets, wall cladding and complex flashings
CPCPGS3046	Install LPG systems in caravans, mobile homes and mobile workplaces
CPCPGS3052	Maintain Type A gas appliances
CPCPGS3055	Install gas sub-meters
CPCPGS3047	Install LPG systems in marine craft
CPCPSN3025	Install pre-treatment facilities
CPCPSN3026	Install sewerage pumpsets
CPCPGS3060	Install LPG storage of aggregate storage capacity exceeding 500 litres and less than 8 kl