

# **DRAFT Proposed technical qualifications for fire protection licensing - not in effect**

**Proposed Queensland Building and Construction  
Commission licence requirements**

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## Document history

Version number	Date of publication	Key changes
Proposed V6 – Extract	28 January 2021	Proposed updates to training packages for the fire protection licensing classes to be prescribed under the <i>Queensland Building and Construction Commission and Other Legislation (Fire Protection Licensing) Amendment Regulation 2020</i> from 1 May 2021.

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## Purpose

The purpose of this document is to outline the proposed technical qualifications for new fire protection licence classes under the *Queensland Building and Construction Commission Regulation 2018* (QBCC Regulation). The new licence classes are scheduled to take effect from 1 May 2021.

It is important to note that this document is a draft extract only, has not been approved by the Chief Executive of the Department of Energy and Public Works and is **not in effect**.

It is intended to assist industry and potential applicants to understand the proposed changes to technical qualifications in the lead up to the new licences commencing.

## Background

The Queensland Building and Construction Commission (QBCC) is a statutory body which oversees Queensland's building and construction industry. The QBCC is responsible for licensing building and construction contractors and occupations.

The [Queensland Building and Construction Commission and Other Legislation \(Fire Protection Licensing\) Amendment Regulation 2020 \(Amendment Regulation\)](#) will amend the QBCC Regulation on 1 May 2021 to introduce a revised fire protection licensing framework.

The Department of Energy and Public Works (the department) is responsible for developing and implementing the policy and legislation of the QBCC.

## Legislation

### *Queensland Building and Construction Commission Act 1991*

Part 3, Division 1 of the *Queensland Building and Construction Commission Act 1991* (QBCC Act) establishes the following types of licence that a person may apply for:

- Contractor licence – entitles the licence holder to carry out building work
- Nominee supervisor – entitles the licence holder to provide supervisory services for building work carried out under the company's licence and perform the functions required of a nominee under the QBCC Act
- Site supervisor – entitles the licence holder to personally supervise building work carried out under a company or contractor's licence
- Fire protection occupational licence – entitles the licence holder to personally carry out and personally supervise fire protection work
- Mechanical services occupational licence – entitles the licence holder to personally carry out and personally supervise mechanical services work.

The QBCC Act allows each of the above types of licence to be divided into classes by regulation.

Part 3, Division 2 of the QBCC Act provides the criteria a person must meet in order to be entitled to a licence. Amongst other things, a person must have the qualifications and experience required by regulation in relation to a licence of the relevant class.

## **Queensland Building and Construction Commission Regulation 2018**

Part 3 of the QBCC Regulation provides that contractor and nominee supervisor licences are available for each of the licence classes set out in Schedule 2 of the QBCC Regulation. Site supervisor licences are available for each licence class other than the fire protection licenses specified in parts 22A to 33 of Schedule 2. The classes of fire protection occupational licence are set out in Schedule 3 of the QBCC Regulation. The classes of mechanical services occupational licence are set out in Schedule 3A of the QBCC Regulation.

### **About this document**

This draft extract sets out the **proposed** technical qualifications that are intended to apply to each new class of fire protection licence to be introduced under Schedules 2 and 3 of the QBCC Regulation from 1 May 2021. For all other licence classes under Schedule 2, it is intended the same technical qualifications will apply for a contractor licence, nominee supervisor licence or site supervisor licence, unless otherwise specified.

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## Proposed technical qualifications for Schedule 2 of the QBCC Regulation—contractor, nominee supervisor licences

### Part 22A – Fire protection – passive stream licences

#### Certify

- (a) successful completion of Certificate IV in Fire Systems Compliance – Passive Fire Equipment stream 30903QLD; and
- (b) successful completion of either:
  - (i) Certificate III in Carpentry CPC30211; or
  - (ii) Certificate III in Wall and Ceiling Lining CPC31211; and
- (c) successful completion of the following units of competency:
  - (i) Quality assure fire-rated lining systems CPCCBC4047A;
  - (ii) Identify, inspect and test passive fire and smoke containment products and systems CPPFES2039A;
  - (iii) Read and interpret plans and specifications CPCCBC4012;
  - (iv) Carry out work-based risk control processes CPCPCM4011;
  - (v) Estimate and cost work CPCPCM4012;
  - (vi) Prepare simple drawings CPCPCM3024;
  - (vii) Establish legal and risk management requirements of new business ventures BSBESB402;
  - (viii) Plan finances for new business ventures BSBESB403;
  - (ix) Research and develop business plans BSBESB401; or
- (d) successful completion of a course, or units of competency of a course, the commission considers is at least equivalent to the course or units of competency mentioned in paragraph (a), (b) or (c).

#### Install and maintain – fire doors and fire shutters

- (a) successful completion of Certificate III in Carpentry CPC30211; including the following units of competency:
  - (x) Read and interpret plans and specifications CPCCBC4012;
  - (xi) Carry out work-based risk control processes CPCPCM4011;
  - (xii) Estimate and cost work CPCPCM4012;
  - (xiii) Prepare simple drawings CPCPCM3024;
  - (xiv) Establish legal and risk management requirements of new business ventures BSBESB402;
  - (xv) Plan finances for new business ventures BSBESB403;
  - (xvi) Research and develop business plans BSBESB401; or
- (b) successful completion of a course, or units of competency of a course, the commission considers is at least equivalent to the course or units of competency mentioned in paragraph (a).

#### Install and maintain – fire collars, fire-rated penetrations and fire-rated joint sealing

- (a) successful completion of either:
  - (i) Certificate III in Carpentry CPC30211; or
  - (ii) Certificate III in Wall and Ceiling Lining CPC31211; and
- (b) successful completion of the following units of competency:
  - (i) Identify, inspect and test passive fire and smoke containment products and systems CPPFES2039A;
  - (ii) Read and interpret plans and specifications CPCCBC4012;
  - (iii) Carry out work-based risk control processes CPCPCM4011;
  - (iv) Estimate and cost work CPCPCM4012;
  - (v) Prepare simple drawings CPCPCM3024;

- (vi) Establish legal and risk management requirements of new business ventures BSBESB402;
  - (vii) Plan finances for new business ventures BSBESB403;
  - (viii) Research and develop business plans BSBESB401; or
- (c) successful completion of a course, or units of competency of a course, the commission considers is at least equivalent to the course or units of competency mentioned in paragraph (a) or (b).

### **Install and maintain – fire and smoke walls and fire-rated ceilings**

Successful completion of either:

- (a) Certificate III in Carpentry CPC30211, including the following units of competency:
  - (i) Install drywall passive fire-rated systems CPCCWC3003A;
  - (ii) Identify, inspect and test fire and smoke doors CPPFES2035A;
  - (iii) Identify, inspect and test passive fire and smoke containment products and systems CPPFES2039A; or
- (b) Certificate III in Wall and Ceiling Lining CPC31211, including the following units of competency:
  - (i) Install drywall passive fire-rated systems CPCCWC3003A;
  - (ii) Identify, inspect and test fire and smoke doors CPPFES2035A;
  - (iii) Identify, inspect and test passive fire and smoke containment products and systems CPPFES2039A; and
- (c) successful completion of the following units of competency:
  - (i) Read and interpret plans and specifications CPCCBC4012;
  - (ii) Carry out work-based risk control processes CPCPCM4011;
  - (iii) Estimate and cost work CPCPCM4012;
  - (iv) Prepare simple drawings CPCPCM3024;
  - (v) Establish legal and risk management requirements of new business ventures BSBESB402;
  - (vi) Plan finances for new business ventures BSBESB403;
  - (vii) Research and develop business plans BSBESB401; or
- (d) successful completion of a course or units of competency of a course, the commission considers is at least equivalent to the course or units of competency mentioned in paragraph (a), (b) or (c).

### **Inspect and test**

Successful completion of either:

- (a) Certificate II in Fire Protection Inspection and Testing CPP20511, including the following units of competency:
  - (i) Identify, inspect and test passive fire smoke doors CPPFES2035A;
  - (ii) Identify, inspect and test passive fire and smoke containment product CPPFES2039A; or
- (b) Certificate III in Carpentry CPC30211, including the following units of competency:
  - (i) Install drywall passive fire-rated systems CPCCWC3003A;
  - (ii) Quality assure fire-rated lining systems CPCCBC4047A or Prepare a fire protection certification statement or report QLD344REP1A; or
- (c) Certificate III in Wall and Ceiling Lining CPC31211, including the following units of competency:
  - (i) Install drywall passive fire-rated systems CPCCWC3003A;
  - (ii) Quality assure fire-rated lining systems CPCCBC4047A or Prepare a fire protection certification statement or report QLD344REP1A; and
- (d) successful completion of the following units competency:
  - (i) Read and interpret plans and specifications CPCCBC4012;
  - (ii) Carry out work-based risk control processes CPCPCM4011;
  - (iii) Estimate and cost work CPCPCM4012;
  - (iv) Prepare simple drawings CPCPCM3024;
  - (v) Establish legal and risk management requirements of new business ventures BSBESB402;
  - (vi) Plan finances for new business ventures BSBESB403;



- (vii) Research and develop business plans BSBESB401; or
- (e) successful completion of a course or units of competency of a course, the commission considers is at least equivalent to a course or units of competency mentioned in (a), (b), (c) or (d).

## Part 25 – Fire protection – special hazard fire system stream licences

### Certify

- (a) successful completion of Certificate IV in Fire Systems Compliance – Special Hazards stream 30903QLD, including the following units of competency:
  - (i) Read and interpret plans and specifications CPCBC4012;
  - (ii) Carry out work-based risk control processes CPCPCM4011;
  - (iii) Estimate and cost work CPCPCM4012;
  - (iv) Prepare simple drawings CPCPCM3024;
  - (v) Establish legal and risk management requirements of new business ventures BSBESB402;
  - (vi) Plan finances for new business ventures BSBESB403;
  - (vii) Research and develop business plans BSBESB401; or
- (b) successful completion of a course the commission considers is at least equivalent to the course mentioned in paragraph (a).

### Install and maintain

- (a) successful completion of Certificate III in Fire Protection CPC32813, including the following units of competency:
  - (i) Read and interpret plans and specifications CPCBC4012;
  - (ii) Carry out work-based risk control processes CPCPCM4011;
  - (iii) Estimate and cost work CPCPCM4012;
  - (iv) Prepare simple drawings CPCPCM3024;
  - (v) Establish legal and risk management requirements of new business ventures BSBESB402;
  - (vi) Plan finances for new business ventures BSBESB403;
  - (vii) Research and develop business plans BSBESB401;
  - (viii) Commission and maintain special hazard fire suppression systems CPCPFS4022A; or
- (b) successful completion of a course the commission considers is at least equivalent to the course mentioned in paragraph (a).

## Part 26 – Fire protection – water-based fire system stream licences

### Design

- (a) successful completion of Diploma of Fire Systems Design CPC50509, including the following Group A water-based systems elective units of competency:
  - (i) Produce 2-D architectural drawings using CAD software CPCPCM4013A;
  - (ii) Develop plans and methodology for fire systems design projects CPCSFS5003A;
  - (iii) Create detailed designs for fire sprinkler systems CPCSFS5006A;
  - (iv) Create detailed designs for hydrant and hose reel systems CPCSFS5007A;
  - (v) Create detailed designs for fire systems' water supplies CPCSFS5009A;
  - (vi) Provide documentation and support for fabrication of fire sprinkler systems CPCSFS5010A;
  - (vii) Provide design documentation and review and support fire system installation processes CPCSFS5011A;
  - (viii) Support commissioning processes and finalise fire systems design projects CPCSFS5013A;and
- (b) successful completion of the following units of competency:
  - (i) Read and interpret plans and specifications CPCBC4012;

- (ii) Carry out work-based risk control processes CPCPCM4011;
  - (iii) Estimate and cost work CPCPCM4012;
  - (iv) Prepare simple drawings CPCPCM3024;
  - (v) Establish legal and risk management requirements of new business ventures BSBESB402;
  - (vi) Plan finances for new business ventures BSBESB403;
  - (vii) Research and develop business plans BEBESB401; or
- (c) successful completion of a course or units of competency of a course, the commission considers is at least equivalent to the course or units of competency mentioned in paragraph (a) and (b).

### **Certify**

- (a) successful completion of Certificate IV in Fire Systems Compliance – Hydrants, Hose reels, Sprinklers and Pump-Sets stream 30903QLD, including the following units of competency:
- (i) Read and interpret plans and specifications CPCBC4012;
  - (ii) Carry out work-based risk control processes CPCPCM4011;
  - (iii) Estimate and cost work CPCPCM4012;
  - (iv) Prepare simple drawings CPCPCM3024;
  - (v) Establish legal and risk management requirements of new business ventures BSBESB402;
  - (vi) Plan finances for new business ventures BSBESB403;
  - (vii) Research and develop business plans BSBESB401; or
- (b) successful completion of a course or units of competency of a course, the commission considers is at least equivalent to the course or units of competency mentioned in paragraph (a).

### **Install and maintain**

- (a) successful completion of Certificate III in Fire Protection CPC32813, including the following units of competency:
- (i) Conduct basic functional testing of water-based fire-suppression systems CPCPFS3040A;
  - (ii) Conduct functional water flow testing CPCPFS3043A;
  - (iii) Commission domestic and residential fire suppression sprinkler systems CPCPFS4021A;
  - (iv) Design residential and domestic fire sprinkler systems CPCPFS4024A;
  - (v) Read and interpret plans and specifications CPCBC4012;
  - (i) Carry out work-based risk control processes CPCPCM4011;
  - (ii) Estimate and cost work CPCPCM4012;
  - (iii) Prepare simple drawings CPCPCM3024;
  - (iv) Establish legal and risk management requirements of new business ventures BSBESB402;
  - (v) Plan finances for new business ventures BSBESB403;
  - (vi) Research and develop business plans BSBESB401;
  - (vii) Commission fire system pumpsets CPCPFS4023A;
  - (viii) Commission fire sprinkler systems CPCPFS4027A; or
- (b) successful completion of a course or units of competency of a course, the commission considers is at least equivalent to the course or units of competency mentioned in paragraph (a).

### **Install and maintain – restricted to commercial and industrial types**

- (a) successful completion of Certificate III in Fire Protection CPC32813, including the following units of competency:
- (i) Conduct basic functional testing of water-based fire-suppression systems CPCPFS3040A;
  - (ii) Conduct functional water flow testing CPCPFS3043A;
  - (iii) Read and interpret plans and specifications CPCBC4012;
  - (ii) Carry out work-based risk control processes CPCPCM4011;
  - (iv) Estimate and cost work CPCPCM4012;
  - (v) Prepare simple drawings CPCPCM3024;
  - (vi) Establish legal and risk management requirements of new business ventures BSBESB402;

- (vii) Plan finances for new business ventures BSBESB403;
  - (viii) Research and develop business plans BSBESB401;
  - (ix) Commission fire system pumpsets CPCPFS4023A;
  - (x) Commission fire sprinkler systems CPCPFS4027A; or
- (b) successful completion of a course or units of competency of a course, the commission considers is at least equivalent to a course or units of competency mentioned in paragraph (a).

### **Install and maintain – restricted to domestic and residential types**

Successful completion of either:

- (a) Certificate III in Fire Protection CPC32813, including the following units of competency:
- (i) Install domestic and residential life safety sprinkler systems CPCPFS3037A;
  - (ii) Carry out WHS requirements CPCPCM2043A;
  - (iii) Commission domestic and residential fire suppression sprinkler systems CPCPFS4021A;
  - (iv) Design residential and domestic fire sprinkler systems CPCPFS4024A; or
- (b) Certificate III in Plumbing CPC32413, including the following units of competency:
- (i) Install domestic and residential life safety sprinkler systems CPCPFS3037A;
  - (ii) Carry out WHS requirements CPCPCM2043A;
  - (iii) Commission domestic and residential fire suppression sprinkler systems CPCPFS4021A;
  - (iv) Design residential and domestic fire sprinkler systems CPCPFS4024A; and
- (c) successful completion of the following units of competency:
- (i) Read and interpret plans and specifications CPCCBC4012;
  - (ii) Carry out work-based risk control processes CPCPCM4011;
  - (iii) Estimate and cost work CPCPCM4012;
  - (iv) Prepare simple drawings CPCPCM3024;
  - (v) Establish legal and risk management requirements of new business ventures BSBESB402;
  - (vi) Plan finances for new business ventures BSBESB403;
  - (vii) Research and develop business plans BSBESB401;
  - (viii) Commission fire system pumpsets CPCPFS4023A;
  - (ix) Commission fire sprinkler systems CPCPFS4027A; or
- (d) successful completion of a course or units of competency of a course, the commission considers is at least equivalent to the course or units of competency mentioned in paragraph (a), (b) or (c).

## **Part 29 – Fire protection – portables stream licences**

### **Certify**

- (a) successful completion of Certificate IV in Fire Systems Compliance – Firefighting Appliances stream 30903QLD; including the following units of competency:
- (i) Read and interpret plans and specifications CPCCBC4012;
  - (ii) Carry out work-based risk control processes CPCPCM4011;
  - (iii) Estimate and cost work CPCPCM4012;
  - (iv) Prepare simple drawings CPCPCM3024;
  - (v) Establish legal and risk management requirements of new business ventures BSBESB402;
  - (vi) Plan finances for new business ventures BSBESB403;
  - (vii) Research and develop business plans BSBESB401; or
- (b) a course or units of competency of a course, the commission considers is at least equivalent to the course or units of competency mentioned in paragraph (a).

## **Install and maintain**

- (a) successful completion of Certificate II in Fire Protection Inspection and Testing CPP20511, including the following units of competency:
- (i) Inspect and test fire hose reels CPPFES2010A;
  - (ii) Install portable fire extinguishers and fire blankets CPPFES2011A;
  - (iii) Conduct routine inspection and testing of fire extinguishers and fire blankets CPPFES2020A;
  - (iv) Inspect, test and maintain fire extinguishers CPPFES2021A;
  - (v) Inspect and test fire hydrant systems CPPFES2037;
  - (vi) Read and interpret plans and specifications CPCBC4012;
  - (vii) Carry out work-based risk control processes CPCPCM4011;
  - (viii) Estimate and cost work CPCPCM4012;
  - (ix) Prepare simple drawings CPCPCM3024;
  - (x) Establish legal and risk management requirements of new business ventures BSBESB402;
  - (xi) Plan finances for new business ventures BSBESB403;
  - (xii) Research and develop business plans BSBESB401;
  - (xiii) Commission firefighting appliances CPCPFS4026A; or
- (b) successful completion of a course or units of competency of a course, the commission considers is at least equivalent to the course or units of competency mentioned in paragraph (a).

## **Part 31 – Fire protection – electrical stream licences**

### **Design – fire alarm systems**

- (a) successful completion of Diploma of Fire Systems Design CPC50509, including the following Group B detection and warning systems elective units of competency:
- (i) Produce 2-D architectural drawings using CAD software CPCPCM4013A;
  - (ii) Develop plans and methodology for fire systems design projects CPCSFS5003A;
  - (iii) Create detailed designs for fire detection and warning systems CPCSFS5008A;
  - (iv) Provide design documentation and review and support fire system installation processes CPCSFS5011A;
  - (v) Support commissioning processes and finalise fire systems design projects CPCSFS5013A; and
- (b) successful completion of the following units of competency:
- (i) Read and interpret plans and specifications CPCBC4012;
  - (ii) Carry out work-based risk control processes CPCPCM4011;
  - (iii) Estimate and cost work CPCPCM4012;
  - (iv) Prepare simple drawings CPCPCM3024;
  - (v) Establish legal and risk management requirements of new business ventures BSBESB402;
  - (vi) Plan finances for new business ventures BSBESB403;
  - (vii) Research and develop business plans BSBESB401; or
- (c) successful completion of a course or units of competency of a course, the commission considers is at least equivalent to the course or units of competency mentioned in paragraph (a) or (b).

### **Certify – fire alarm systems**

- (a) successful completion of Certificate IV in Fire Systems Compliance – Fire Detection Systems stream 30903QLD, including the following units of competency:
- (i) Read and interpret plans and specifications CPCBC4012;
  - (ii) Carry out work-based risk control processes CPCPCM4011;
  - (iii) Estimate and cost work CPCPCM4012;
  - (iv) Prepare simple drawings CPCPCM3024;
  - (v) Establish legal and risk management requirements of new business ventures BSBESB402;
  - (vi) Plan finances for new business ventures BSBESB403;

- (vii) Research and develop business plans BSBESB401; or
- (b) successful completion of a course or units of competency of a course, the commission considers is at least equivalent to the course or units of competency listed in paragraph (a).

### **Certify – emergency lighting**

- (a) successful completion of Certificate IV in Fire Systems Compliance – Fire Detection Systems stream 30903QLD, including the following units of competency:
  - (i) Provide photometric data for illumination system design UEENEEG184A;
  - (ii) Select effective and efficient light sources and luminaries for given locations and designs UEENEEG185A;
  - (iii) Read and interpret plans and specifications CPCCBC4012;
  - (iv) Carry out work-based risk control processes CPCPCM4011;
  - (v) Estimate and cost work CPCPCM4012;
  - (vi) Prepare simple drawings CPCPCM3024;
  - (vii) Establish legal and risk management requirements of new business ventures BSBESB402;
  - (viii) Plan finances for new business ventures BSBESB403;
  - (ix) Research and develop business plans BSBESB401;
  - (x) Design effective and efficient lighting for residential and commercial buildings UEENEEG186A;or
- (b) successful completion of a course or units of competency of a course, the commission considers is at least equivalent to the course or units of competency mentioned in paragraph (a).

### **Install and maintain – fire alarm systems**

- (a) successful completion of Certificate III in Fire Protection Control UEE31011, including the following units of competency:
  - (i) Read and interpret plans and specifications CPCCBC4012;
  - (ii) Carry out work-based risk control processes CPCPCM4011;
  - (iii) Estimate and cost work CPCPCM4012;
  - (iv) Prepare simple drawings CPCPCM3024;
  - (v) Establish legal and risk management requirements of new business ventures BSBESB402;
  - (vi) Plan finances for new business ventures BSBESB403;
  - (vii) Research and develop business plans BSBESB401;
  - (viii) Commission fire alarm and detection systems interface devices CPCPFS4025A;
  - (ix) Commission large fire protection systems UEENEEH164A; or
- (b) successful completion of a course or units of competency of a course, the commission considers is at least equivalent to the course or units of competency mentioned in paragraph (a).

### **Inspect and test – emergency lighting**

- (a) successful completion of Certificate III in Fire Protection Control UEE31011, including the following unit of competency:
  - (i) Inspect and test emergency and exit lighting systems CPPFES2026A; or
- (b) possession of an electrical mechanic licence; and
- (c) successful completion of the following units of competency:
  - (i) Read and interpret plans and specifications CPCCBC4012;
  - (ii) Carry out work-based risk control processes CPCPCM4011;
  - (iii) Estimate and cost work CPCPCM4012;
  - (iv) Prepare simple drawings CPCPCM3024;
  - (v) Establish legal and risk management requirements of new business ventures BSBESB402;
  - (vi) Plan finances for new business ventures BSBESB403;
  - (vii) Research and develop business plans BSBESB401; or

- (d) successful completion of a course or units of competency of a course, the commission considers is at least equivalent to the course or units of competency mentioned in paragraph (a) or (c).

### **Part 33 – Fire safety professional licence**

Possession of a building surveying accreditation issued by either:

- (a) the Australian Institute of Building Surveyors ACN 004 540 836; or
- (b) RICS Australasia Pty Ltd ACN 089 873 067.

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## Proposed technical qualifications for Schedule 3 of the QBCC Regulation—fire protection occupational licences

### Part 1A – Fire protection – passive stream occupational licences

#### Certify

Successful completion of:

- (a) Certificate IV in Fire Systems Compliance – Passive Fire Equipment stream 30903QLD; and
- (b) either of the following:
  - (i) Certificate III in Carpentry CPC30211; or
  - (ii) Certificate III in Wall and Ceiling Lining CPC31211; and
- (c) the following units of competency:
  - (i) Quality assure fire-rated lining systems CPCCBC4047A;
  - (ii) Identify, inspect and test passive fire and smoke containment products and systems CPPFES2039A; or
- (d) successful completion of a course or units of competency of a course, the commission considers is at least equivalent to the course or units of competency mentioned in paragraph (a), (b) or (c).

#### Install and maintain – fire doors and fire shutters

- (a) successful completion of Certificate III in Carpentry CPC30211; or
- (b) successful completion of a course the commission considers is at least equivalent to the course mentioned in paragraph (a).

#### Install and maintain – fire collars, fire-rated penetrations and fire-rated joint sealing

Successful completion of either:

- (a) Certificate III in Carpentry CPC30211; or
- (b) Certificate III in Wall and Ceiling Lining CPC31211; and
- (c) the following unit of competency:
  - (i) Identify, inspect and test passive fire and smoke containment products and systems CPPFES2039A; or
- (e) successful completion of a course or units of competency of a course, the commission considers is at least equivalent to the course or units of competency mentioned in paragraph (a), (b) or (c).

#### Install and maintain – fire and smoke walls and fire-rated ceilings

Successful completion of either:

- (a) Certificate III in Carpentry CPC30211, including the following units of competency:
  - (i) Install drywall passive fire-rated systems CPCCWC3003A;
  - (ii) Identify, inspect and test fire and smoke doors CPPFES2035A;
  - (iii) Identify, inspect and test passive fire and smoke containment products and systems CPPFES2039A; or
- (b) Certificate III in Wall and Ceiling Lining CPC31211, including the following units of competency:
  - (i) Install drywall passive fire-rated systems CPCCWC3003A;
  - (ii) Identify, inspect and test fire and smoke doors CPPFES2035A;
  - (iii) Identify, inspect and test passive fire and smoke containment products and systems CPPFES2039A; or
- (c) successful completion of a course or units of competency of a course, the commission considers is at least equivalent to the course or units of competency mentioned in paragraph (a) or (b).

## Inspect and test

Successful completion of either:

- (a) Certificate II in Fire Protection Inspection and Testing CPP20511, including the following units of competency:
  - (i) Identify, inspect and test passive fire smoke doors CPPFES2035A;
  - (ii) Identify, inspect and test passive fire and smoke containment product CPPFES2039A; or
- (b) Certificate III in Carpentry CPC30211, including the following units of competency –
  - (i) Install drywall passive fire-rated systems CPCCWC3003A;
  - (ii) Quality assure fire-rated lining systems CPCCBC4047A or Prepare a fire protection certification statement or report QLD344REP1A; or
- (b) Certificate III in Wall and Ceiling Lining CPC31211, including the following units of competency –
  - (i) Install drywall passive fire-rated systems CPCCWC3003A;
  - (ii) Quality assure fire-rated lining systems CPCCBC4047A or Prepare a fire protection certification statement or report QLD344REP1A; or
- (c) successful completion of a course or units of competency of a course, the commission considers is at least equivalent to the course or units of competency mentioned in paragraph (a), (b) or (c).

## Part 4 – Fire protection – special hazard fire system stream occupational licences

### Certify

- (a) successful completion of Certificate IV in Fire Systems Compliance – Special Hazards stream 30903QLD; or
- (b) successful completion of a course the commission considers is at least equivalent to the course mentioned in paragraph (a).

### Install and maintain

- (a) successful completion of Certificate III in Fire Protection CPC32813; or
- (b) successful completion of a course the commission considers is at least equivalent to the course mentioned in paragraph (a).

## Part 5 – Fire protection – water based fire system stream occupational licences

### Design

- (a) successful completion of Diploma of Fire Systems Design CPC50509, including the following Group A water based systems elective units of competency:
  - (i) Produce 2-D architectural drawings using CAD software CPCPCM4013A;
  - (ii) Develop plans and methodology for fire systems design projects CPCSFS5003A;
  - (iii) Create detailed designs for fire sprinkler systems CPCSFS5006A;
  - (iv) Create detailed designs for hydrant and hose reel systems CPCSFS5007A;
  - (v) Create detailed designs for fire systems' water supplies CPCSFS5009A;
  - (vi) Provide documentation and support for fabrication of fire sprinkler systems CPCSFS5010A;
  - (vii) Provide design documentation and review and support fire system installation processes CPCSFS5011A;
  - (viii) Support commissioning processes and finalise fire systems design projects CPCSFS5013A; or
- (b) successful completion of a course or units of competency of a course, the commission considers is at least equivalent to the course or units of competency mentioned in paragraph (a).



### **Certify**

- (a) successful completion of Certificate IV in Fire Systems Compliance – Hydrants, Hose reels, Sprinklers and Pump-Sets stream 30903QLD; or
- (b) successful completion of a course the commission considers is at least equivalent to the course mentioned in paragraph (a).

### **Install and maintain**

- (a) successful completion of Certificate III in Fire Protection CPC32813, including the following units of competency:
  - (i) Conduct basic functional testing of water-based fire-suppression systems CPCPFS3040A;
  - (ii) Conduct functional water flow testing CPCPFS3043A;
  - (iii) Commission domestic and residential fire suppression sprinkler systems CPCPFS4021A;
  - (iv) Design residential and domestic fire sprinkler systems CPCPFS4024A; or
- (b) successful completion of a course or units of competency of a course, the commission considers is at least equivalent to the course or units of competency mentioned in paragraph (a).

### **Install and maintain – restricted to commercial and industrial types**

- (a) successful completion of Certificate III in Fire Protection CPC32813, including the following units of competency:
  - (i) Conduct basic functional testing of water-based fire-suppression systems CPCPFS3040A;
  - (ii) Conduct functional water flow testing CPCPFS3043A; or
- (b) successful completion of a course or units of competency of a course, the commission considers is at least equivalent to a course of units of competency mentioned in paragraph (a).

### **Install and maintain – restricted to domestic and residential types**

Successful completion of either:

- (a) Certificate III in Fire Protection CPC32813, including the following units of competency:
  - (i) Install domestic and residential life safety sprinkler systems CPCPFS3037A;
  - (ii) Carry out WHS requirements CPCPCM2043A;
  - (iii) Commission domestic and residential fire suppression systems CPCPFS4021A;
  - (iv) Design residential and domestic fire sprinkler systems CPCPFS4024A; or
- (b) Certificate III in Plumbing CPC32413, including the following units of competency:
  - (i) Install domestic and residential life safety sprinkler systems CPCPFS3037A;
  - (ii) Carry out WHS requirements CPCPCM2034A;
  - (iii) Commission domestic and residential fire suppression sprinkler systems CPCPFS4021A;
  - (iv) Design residential and domestic fire sprinkler systems CPCPFS4024A; or
- (c) successful completion of a course or units of competency of a course, the commission considers is at least equivalent to a course or units of competency mentioned in paragraph (a) or (b).

## **Part 8 – Fire protection – portables stream occupational licences**

### **Certify**

- (a) successful completion of Certificate IV in Fire Systems Compliance – Firefighting Appliances stream 30903QLD; or
- (b) successful completion of a course the commission considers is at least equivalent to the course mentioned in paragraph (a).

## **Install and maintain**

- (a) successful completion of Certificate II in Fire Protection Inspection and Testing CPP20511, including the following units of competency:
  - (i) Inspect and test fire hose reels CPPFES2010A;
  - (ii) Install portable fire extinguishers and fire blankets CPPFES2011A;
  - (iii) Conduct routine inspection and testing of fire extinguishers and fire blankets CPPFES2020A;
  - (iv) Inspect, test and maintain fire extinguishers CPPFES2021A;
  - (v) Inspect and test fire hydrant systems CPPFES2037; or
- (b) successful completion of a course or units of competency of a course, the commission considers is at least equivalent to the course or units of competency mentioned in paragraph (a).

## **Part 10 – Fire protection – electrical stream occupational licences**

### **Design – fire alarm systems**

- (a) successful completion of Diploma of Fire Systems Design CPC50509, including the following Group B detection and warning systems elective units of competency:
  - (i) Produce 2-D architectural drawings using CAD software CPCPCM4013A;
  - (ii) Develop plans and methodology for fire systems design projects CPCSFS5003A;
  - (iii) Create detailed designs for fire detection and warning systems CPCSFS5008A;
  - (iv) Provide design documentation and review and support fire system installation processes CPCSFS5011A;
  - (v) Support commissioning processes and finalise fire systems design projects CPCSFS5013A; or
- (b) Successful completion of a course or units of competency of a course, the commission considers is at least relevant to a course or units of competency mentioned in paragraph (a).

### **Certify – fire alarm systems**

- (a) successful completion of Certificate IV in Fire Systems Compliance – Fire Detection Systems stream 30903QLD; or
- (b) successful completion of a course the commission considers is at least equivalent to the course mentioned in paragraph (a).

### **Certify – emergency lighting**

- (a) successful completion of Certificate IV in Fire Systems Compliance – Fire Detection Systems stream 30903QLD, including the following units of competency:
  - (i) Provide photometric data for illumination system design UEENEEG184A;
  - (ii) Select effective and efficient light sources and luminaries for given locations and designs UEENEEG185A; or
- (b) successful completion of a course or units of competency of a course, the commission considers is at least equivalent to the course or units of competency mentioned in paragraph (a).

### **Install and maintain – fire alarm systems**

- (a) successful completion of Certificate III in Fire Protection Control UEE31011; or
- (b) successful completion of a course the commission considers is at least equivalent to the course mentioned in paragraph (a).

### **Inspect and test – emergency lighting**

- (a) successful completion of Certificate III in Fire Protection Control UEE31011, including the following units of competency :
  - (i) Inspect and test emergency and exit lighting systems CPPFES2026A; or
- (b) successful completion of a course or units of competency of a course, the commission considers is at least equivalent to the course or units of competency mentioned in paragraph (a); or
- (c) possession of an electrical mechanic licence.

### **Part 12 – Fire safety professional occupational licence**

Possession of a building surveying accreditation issued by either:

- (a) the Australian Institute of Building Surveyors ACN 004 540 836;
- (b) RICS Australasia Pty Ltd ACN 089 873 067.

DRAFT - this version is not in effect and has not been approved by the Chief Executive, DEPW