Australian Fire Association

‘MODEL’ NSW COMPETENT FIRE SAFETY PRACTITIONER ACCREDITATION SCHEME

The NSW Government has introduced new fire safety regulations designed to strengthen the state’s building regulation and certification system. The new regulations have a requirement for fire safety statement assessments to be carried out by a competent fire safety practitioner. The new regulation came into effect on 1 October 2017.

Australian Fire Association has provided the following as a ‘model’ that can be used by Accreditation Schemes for Competent Fire Safety Practitioners in New South Wales.

Essential Components of Accreditation Schemes for Competent Fire Safety Practitioners in New South Wales

Australian Fire Association believes that any Accreditation Schemes for Competent Fire Safety Practitioners in New South Wales should have 3 essential components

- Academic Requirements
- Relevant Experience Requirements
- Insurance Requirements
- Fit and Proper Person Requirements

These requirements are detailed below.

Academic Requirements for Accreditation

Important Notes Regarding Academic Qualifications:

The following applies to the qualifications used in this document

1. A Degree can mean a Bachelor Degree, a Master's Degree or a Doctorate Degree
2. All Degrees must have been awarded by a university within the meaning of the Higher Education Act 2001 (NSW)
3. All Graduate Diplomas and Graduate Certificate must have been awarded by either a university within the meaning of the Higher Education Act 2001 (NSW) OR by an institution under the National Vocational Education and Training Regulator Act 2011 (Cth)
4. All Diplomas must have been awarded by an institution under the National Vocational Education and Training Regulator Act 2011 (Cth)
5. All Units of Competencies must have been awarded by an institution under the National Vocational Education and Training Regulator Act 2011 (Cth)

CFSP1 Endorse a fire safety alternative solution report

(clause 130 and 144A of EP&A Regulation)

For CFSP1 accreditation, the Australian Fire Association recommends one of the following qualifications:

- Degree or Graduate Diploma in Fire Safety Engineering

CFSP2 Endorse plans and specifications for relevant fire safety systems

(clause 136AA and 146B of EP&A Regulation)

For CFSP2 accreditation, the Australian Fire Association recommends one of the following qualifications PLUS the other required Units of Competency

CFSP2a) A hydraulic fire safety system

i) Fire hydrant system

- Degree in Building Services or
- Diploma in Fire Systems Design or
- Diploma in Hydraulic Services Design

PLUS in addition to one of the above qualifications the following Units of Competency:

- CPCSFS5001A Define scope and hazard level of fire systems design projects
- CPCSFS5007A Create detailed designs for hydrant and hose reel systems
- CPCSFS5009A Create detailed designs for fire systems' water supplies
- CPCCBC4012B Read and interpret plans and specifications

ii) Fire hose reel system

- Degree in Building Services or
- Diploma in Fire Systems Design or
- Diploma in Hydraulic Services Design

PLUS in addition to one of the above qualifications the following Units of Competency:

- CPCSFS5001A Define scope and hazard level of fire systems design projects
- CPCSFS5007A Create detailed designs for hydrant and hose reel systems
- CPCSFS5009A Create detailed designs for fire systems' water supplies
- CPCCBC4012B Read and interpret plans and specifications

iii) Sprinkler system (including a wall wetting sprinkler or drencher system)

- Degree in Building Services or
- Diploma in Fire Systems Design or
- Diploma in Hydraulic Services Design

PLUS in addition to one of the above qualifications the following Units of Competency:

- CPCSFS5001A Define scope and hazard level of fire systems design projects
- CPCSFS5006A Create detailed designs for fire sprinkler systems
- CPCSFS5009A Create detailed designs for fire systems' water supplies
- CPCCBC4012B Read and interpret plans and specifications

iv) Any type of automatic fire suppression system of a hydraulic nature that is installed in accordance with a requirement of, or under, the Act or any other Act or law

- Degree in Building Services or
- Diploma in Fire Systems Design or
- Diploma in Hydraulic Services Design

PLUS in addition to one of the above qualifications the following Units of Competency:

- CPCSFS5001A Define scope and hazard level of fire systems design projects
- CPCSFS5006A Create detailed designs for fire sprinkler systems
- CPCSFS5007A Create detailed designs for hydrant and hose reel systems
- CPCSFS5009A Create detailed designs for fire systems' water supplies
- CPCCBC4012B Read and interpret plans and specifications

CFSP2b) A fire detection and alarm system

- Degree in Building Services or
- Degree in Electrical Engineering or
- Diploma in Fire Systems Design

PLUS in addition to one of the above qualifications the following Units of Competency:

- CPCSFS5001A Define scope and hazard level of fire systems design projects
- CPCSFS5008A Create detailed designs for fire detection and warning systems
- CPCCBC4012B Read and interpret plans and specifications

CFSP2c) A mechanical ducted smoke control system

- Degree in Building Services or
- Degree in Mechanical Engineering

PLUS in addition to one of the above qualifications the following Units of Competency

- CPCSFS5001A Define scope and hazard level of fire systems design projects
- CPCSFS5008A Create detailed designs for fire detection and warning systems
- CPCCBC4012B Read and interpret plans and specifications

CFSP3 Endorse non-compliance with Building Code of Australia standards for minor works to existing relevant fire safety systems

(clause 164B of EP&A Regulation)

For CFSP3 accreditation, the Australian Fire Association recommends one of the following qualifications PLUS the other required Units of Competency.

CFSP3a) A hydraulic fire safety system

i) Fire hydrant system

- Degree in Building Services or
- Diploma in Fire Systems Design or
- Diploma in Hydraulic Services Design

PLUS in addition to one of the above qualifications the following Units of Competency:

- CPCSFS5001A Define scope and hazard level of fire systems design projects
- CPCSFS5007A Create detailed designs for hydrant and hose reel systems
- CPCSFS5009A Create detailed designs for fire systems' water supplies
- CPCCBC4012B Read and interpret plans and specifications

ii) Fire hose reel system

- Degree in Building Services or
- Diploma in Fire Systems Design or
- Diploma in Hydraulic Services Design

PLUS in addition to one of the above qualifications the following Units of Competency:

- CPCSFS5001A Define scope and hazard level of fire systems design projects
- CPCSFS5007A Create detailed designs for hydrant and hose reel systems
- CPCSFS5009A Create detailed designs for fire systems' water supplies
- CPCCBC4012B Read and interpret plans and specifications

iii) Sprinkler system (including a wall wetting sprinkler or drencher system)

- Degree in Building Services or
- Diploma in Fire Systems Design or
- Diploma in Hydraulic Services Design

PLUS in addition to one of the above qualifications the following Units of Competency:

- CPCSFS5001A Define scope and hazard level of fire systems design projects
- CPCSFS5006A Create detailed designs for fire sprinkler systems
- CPCSFS5009A Create detailed designs for fire systems' water supplies
- CPCCBC4012B Read and interpret plans and specifications

iv) Any type of automatic fire suppression system of a hydraulic nature that is installed in accordance with a requirement of, or under, the Act or any other Act or law

- Degree in Building Services or
- Diploma in Fire Systems Design or
- Diploma in Hydraulic Services Design

PLUS in addition to one of the above qualifications the following Units of Competency:

- CPCSFS5001A Define scope and hazard level of fire systems design projects
- CPCSFS5006A Create detailed designs for fire sprinkler systems
- CPCSFS5007A Create detailed designs for hydrant and hose reel systems
- CPCSFS5009A Create detailed designs for fire systems' water supplies
- CPCCBC4012B Read and interpret plans and specifications

CFSP3b) A fire detection and alarm system

- Degree in Building Services or
- Degree in Electrical Engineering or
- Diploma in Fire Systems Design

PLUS in addition to one of the above qualifications the following Units of Competency:

- CPCSFS5001A Define scope and hazard level of fire systems design projects
- CPCSFS5008A Create detailed designs for fire detection and warning systems
- CPCCBC4012B Read and interpret plans and specifications

CFSP3c) A mechanical ducted smoke control system

- Degree in Building Services or
- Degree in Mechanical Engineering

PLUS in addition to one of the above qualifications the following Units of Competency:

- CPCSFS5001A Define scope and hazard level of fire systems design projects
- CPCSFS5008A Create detailed designs for fire detection and warning systems
- CPCCBC4012B Read and interpret plans and specifications

CFSP4 Undertake assessment of the performance capability of existing essential fire safety measures (annual fire safety statement)

(Division 5 of Part 9 of EP&A Regulation)

For CFSP4 accreditation, the Australian Fire Association recommends one of the following qualifications PLUS the other required Units of Competency.

CFSP4 – General Educational Requirements

- Degree in Building Services or
- Degree in Mechanical Engineering or
- Degree in Fire Safety Engineering or
- Degree in Building Surveying or
- Graduate Diploma in Building Surveying or
- Graduate Certificate in Building Surveying or
- Diploma in Fire Systems Design or
- Diploma in Hydraulic Services Design

PLUS in addition to one of the above qualifications the following Units of Competency:

- CPCSFS5001A Define scope and hazard level of fire systems design projects
- CPCSFS5014A Conduct annual fire systems certification inspections
- CPCSFS5015A Assess documentation for annual fire systems certification inspections
- BSBAUD504B Report on a quality audit
- CPCCBC4012B Read and interpret plans and specifications

Note: A CFSP4 MUST ALSO meet the Additional Requirements for Specific Fire Safety Measures listed below:

Additional Requirements for Specific Fire Safety Measures

CFSP4 (Division 7) To undertake inspections under Division 7 of the Regulation

• CFSP4 – General Educational Requirements

CFSP4a) Access panels, doors and hoppers to fire resisting shafts

• CFSP4 – General Educational Requirements

PLUS the following Units of Competency:

- CPPFES2035A Identify, inspect and test fire and smoke doors
- CPPFES2039A Identify, inspect and test passive fire and smoke containment products and systems

CFSP4b) Automatic fail-safe devices

• CFSP4 – General Educational Requirements

PLUS the following Units of Competency:

- CPPFES2029A Conduct functional tests on fire detection, warning and intercommunication devices
- CPPFES2047A Inspect and test control and indicating equipment

CFSP4c) Automatic fire detection and alarm systems

• CFSP4 – General Educational Requirements

PLUS the following Units of Competency:

- CPCSFS5008A Create detailed designs for fire detection and warning systems
- CPPFES2029A Conduct functional tests on fire detection, warning and intercommunication devices
- CPPFES2047A Inspect and test control and indicating equipment

CFSP4d) Automatic fire suppression systems

• CFSP4 – General Educational Requirements

PLUS the following Units of Competency:

- CPCSFS5006A Create detailed designs for fire sprinkler systems
- CPCSFS5009A Create detailed designs for fire systems' water supplies
- CPCPFS3020A Conduct basic functional testing of complex water-based fire-suppression systems
- CPCPFS3021A Inspect and test fire pumpsets
- CPCPFS3022A Conduct annual functional testing of complex water-based fire-suppression systems
- CPCPFS3023A Conduct functional water flow testing
- CPPFES2047A Inspect and test control and indicating equipment

CFSP4e) Emergency lifts

• CFSP4 – General Educational Requirements

CFSP4f) Emergency lighting

• CFSP4 – General Educational Requirements

PLUS the following Units of Competency:

- CPCSFS5008A Create detailed designs for fire detection and warning systems
- CPPFES2026A Inspect and test emergency and exit lighting systems

CFSP4g) Emergency warning and intercommunication systems

• CFSP4 – General Educational Requirements

PLUS the following Units of Competency:

- CPCSFS5008A Create detailed designs for fire detection and warning systems
- CPPFES2029A Conduct functional tests on fire detection, warning and intercommunication devices
- CPPFES2047A Inspect and test control and indicating equipment

CFSP4h) Exit signs

• CFSP4 – General Educational Requirements

PLUS the following Units of Competency:

- CPCSFS5008A Create detailed designs for fire detection and warning systems
- CPPFES2026A Inspect and test emergency and exit lighting systems

CFSP4i) Fire control centres and rooms

• CFSP4 – General Educational Requirements

CFSP4j) Fire dampers

• CFSP4 – General Educational Requirements

PLUS the following Units of Competency:

- CPPFES2039A Identify, inspect and test passive fire and smoke containment products and systems

CFSP4j) Fire doors

• CFSP4 – General Educational Requirements

PLUS the following Units of Competency:

- CPPFES2035A Identify, inspect and test fire and smoke doors
- CPPFES2039A Identify, inspect and test passive fire and smoke containment products and systems

CFSP4l) Fire hose reel systems

• CFSP4 – General Educational Requirements

PLUS the following Units of Competency:

- CPCSFS5007A Create detailed designs for hydrant and hose reel systems
- CPPFES2010A Inspect and test fire hose reels

CFSP4m) Fire hydrant systems

• CFSP4 – General Educational Requirements

PLUS the following Units of Competency:

- CPCSFS5007A Create detailed designs for hydrant and hose reel systems
- CPCSFS5009A Create detailed designs for fire systems' water supplies
- CPPFES2037A Inspect and test fire hydrant systems
- CPCPFS3021A Inspect and test fire pumpsets
- CPCPFS3023A Conduct functional water flow testing
- CPPFES2047A Inspect and test control and indicating equipment

CFSP4n) Fire seals protecting openings in fire resisting components of the building

• CFSP4 – General Educational Requirements

PLUS the following Units of Competency:

- CPPFES2035A Identify, inspect and test fire and smoke doors
- CPPFES2039A Identify, inspect and test passive fire and smoke containment products and systems

CFSP4o) Fire shutters

• CFSP4 – General Educational Requirements

PLUS the following Units of Competency:

- CPPFES2035A Identify, inspect and test fire and smoke doors
- CPPFES2039A Identify, inspect and test passive fire and smoke containment products and systems

CFSP4p) Fire windows

• CFSP4 – General Educational Requirements

PLUS the following Units of Competency:

- CPPFES2035A Identify, inspect and test fire and smoke doors
- CPPFES2039A Identify, inspect and test passive fire and smoke containment products and systems

CFSP4q) Lightweight construction

• CFSP4 – General Educational Requirements

PLUS the following Units of Competency:

- CPPFES2039A Identify, inspect and test passive fire and smoke containment products and systems

CFSP4r) Mechanical air handling systems

• CFSP4 – General Educational Requirements

PLUS the following qualifications

- a Degree in Building Services or Mechanical Engineering from a university within the meaning of the *Higher Education Act 2001* (NSW)

PLUS the following Units of Competency:

- CPCSFS5008A Create detailed designs for fire detection and warning systems
- CPPFES2029A Conduct functional tests on fire detection, warning and intercommunication devices
- CPPFES2039A Identify, inspect and test passive fire and smoke containment products and systems
- CPPFES2047A Inspect and test control and indicating equipment

CFSP4s) Perimeter vehicle access for emergency vehicles

• CFSP4 – General Educational Requirements

CFSP4t) Portable fire extinguishers

• CFSP4 – General Educational Requirements

PLUS the following Units of Competency:

- CPPFES2011A Install portable fire extinguishers and fire blankets
- CPPFES2020A Conduct routine inspection and testing of fire extinguishers and fire blankets

CFSP4u) Safety curtains in proscenium openings

• CFSP4 – General Educational Requirements

CFSP4v) Smoke alarms and heat alarms

• CFSP4 – General Educational Requirements

PLUS the following Units of Competency:

- CPCSFS5008A Create detailed designs for fire detection and warning systems
- CPPFES2029A Conduct functional tests on fire detection, warning and intercommunication devices
- CPPFES2047A Inspect and test control and indicating equipment

CFSP4w) Smoke and heat vents

• CFSP4 – General Educational Requirements

PLUS the following qualifications

- a Degree in Building Services or Mechanical Engineering from a university within the meaning of the *Higher Education Act 2001* (NSW)

PLUS the following Units of Competency:

- CPCSFS5008A Create detailed designs for fire detection and warning systems
- CPPFES2029A Conduct functional tests on fire detection, warning and intercommunication devices
- CPPFES2039A Identify, inspect and test passive fire and smoke containment products and systems
- CPPFES2047A Inspect and test control and indicating equipment

CFSP4x) Smoke dampers

• CFSP4 – General Educational Requirements

PLUS the following Units of Competency:

- CPPFES2039A Identify, inspect and test passive fire and smoke containment products and systems

CFSP4y) Smoke alarms and heat detectors

• CFSP4 – General Educational Requirements

PLUS the following Units of Competency:

- CPCSFS5008A Create detailed designs for fire detection and warning systems
- CPPFES2029A Conduct functional tests on fire detection, warning and intercommunication devices
- CPPFES2047A Inspect and test control and indicating equipment

CFSP4z) Smoke doors

• CFSP4 – General Educational Requirements

PLUS the following Units of Competency:

- CPPFES2035A Identify, inspect and test fire and smoke doors
- CPPFES2039A Identify, inspect and test passive fire and smoke containment products and systems

CFSP4aa) Solid core doors

• CFSP4 – General Educational Requirements

PLUS the following Units of Competency:

- CPPFES2035A Identify, inspect and test fire and smoke doors
- CPPFES2039A Identify, inspect and test passive fire and smoke containment products and systems

CFSP4ab) Standby power systems

• CFSP4 – General Educational Requirements

PLUS the following qualifications

- a Degree in Building Services or Electrical Engineering from a university within the meaning of the *Higher Education Act 2001* (NSW)

CFSP4ac) Wall-wetting sprinkler and drencher systems

• CFSP4 – General Educational Requirements

PLUS the following Units of Competency:

- CPCSFS5006A Create detailed designs for fire sprinkler systems
- CPCSFS5009A Create detailed designs for fire systems' water supplies
- CPCPFS3020A Conduct basic functional testing of complex water-based fire-suppression systems
- CPCPFS3021A Inspect and test fire pumpsets
- CPCPFS3022A Conduct annual functional testing of complex water-based fire-suppression systems
- CPCPFS3023A Conduct functional water flow testing
- CPPFES2047A Inspect and test control and indicating equipment

CFSP4ad) Warning and operational signs

• CFSP4 – General Educational Requirements

PLUS the following Units of Competency:

- CPCSFS5008A Create detailed designs for fire detection and warning systems
- CPPFES2029A Conduct functional tests on fire detection, warning and intercommunication devices
- CPPFES2047A Inspect and test control and indicating equipment

Relevant Experience Requirements for Accreditation

All CFSP Categories

For all CFSP accreditation classes, the Australian Fire Association recommends that the practitioner has a minimum of at least 4 years verified experience specifically undertaking works relating to the accreditation class.

Insurance Requirements for Accreditation

All CFSP Categories

For all CFSP accreditation classes, the Australian Fire Association recommends that the practitioner or their employer has a minimum of at least 10 million dollars of Public Liability and 2 Million dollars of Professional Indemnity insurance, including 7 years run off cover, specifically covering undertaking works relating to the accreditation class.

Fit and Proper Person Requirements for Accreditation

All CFSP Categories

For all CFSP accreditation classes, the Australian Fire Association recommends that the practitioner meets the following Fit and Proper Person Requirements

1. Has NOT in the last 20 years been convicted of an offence against a law of the Commonwealth or of a state or territory of Australia where the offence has a penalty is 12 months imprisonment or more.

2. Has NOT in the last 20 years been convicted of an offence against a law of a parliament of another country where the offence has a penalty is 12 months imprisonment or more?

3. Has NOT in the last 20 years been determined not to be a fit and proper person as prescribed under any law of the Commonwealth or of a state or territory of Australia, or of another country?

4. Has NOT in the last 20 years become bankrupt, applied to take the benefit of a law for the benefit of bankrupt or insolvent debtors, compounded with your creditors or assigned your remuneration the benefit of creditors?

5. Has NOT in the last 20 years been disqualified from managing corporations under Part 2D.6 of the Corporations Act 2001 (Cth)?

6. Has NOT in the last 5 years had their competent fire safety practitioner accreditation revoked or had any restrictions, sanctions or conditions imposed on the accreditation holder's accreditation by any other Competent Fire Safety Practitioners Accreditation Scheme.