

# Professional Standard: Certified Fire Behaviour Analyst Requirements

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## Authority

This standard was endorsed by the EMPS Panel in March 2019.

## Context

The Emergency Management Professionalisation Scheme (the Scheme) is a program to recognise the skills, abilities and experience of emergency management practitioners.

Established by AFAC, the National Council and peak body for fire, land management and emergency service agencies in Australia and New Zealand, the Scheme is an initiative designed to promote emergency management as a profession.

The Scheme is open to career and volunteer personnel of AFAC member agencies, as well as individuals from other approved organisations.

## Scope of application

This standard applies to applicants seeking recognition in the role of Fire Behaviour Analyst.

Bushfire specific expertise will be evaluated as part of the credentialing process, but credentials are only awarded for bushfire.

Applicants may be career staff or volunteers of AFAC member agencies or personnel from commercial or other government entities.

## Credential

The Certified Fire Behaviour Analyst credential is awarded to an individual who has successfully fulfilled all eligibility requirements. Individuals will be recognised as an expert in preparing predictions for bushfires (and prescribed burns) for level 3 incidents as defined in AIIMS, with experience in fire behaviour at bushfire events of high impact and complexity.

## Eligibility – Certified Fire Behaviour Analyst

An applicant must be able to provide evidence to demonstrate that he or she:

- Has signed and committed to the Code of Ethics and Standards of Professional Conduct 2018.
- Has the equivalent of three years or more applicable experience and has successfully fulfilled the role of Fire Behaviour Analyst at complex, high impact, high consequence emergency events.
- Is in compliance with the Professional Standard: Continuing Professional Development.
- Is supported in their application by their home agency or jurisdiction.

## Education requirements for Certified Fire Behaviour Analyst

Applicants must be able to demonstrate:

1. Successful completion of one or more of the education components and all associated prerequisites as specified in Table 1
2. Capabilities as described in the Professional Standard: Fire Behaviour Analyst Capabilities; and
3. Written documentation as evidence of meeting the requirements of this standard.

Table 1:

Course or Program
PUAFIR414 Interpret and analyse fire weather information <i>and</i> Fire Weather 2 (run by CFA/DELWP/BoM in Victoria and CFS/DEW/BoM in SA), <i>or</i>
An AFAC member agency course for bushfire weather which is formally assessed against criteria equivalent to PUAFIR414 Interpret and analyse fire weather information (e.g. Introduction to Weather - SA CFS, Fire Weather 1 – CFA/DELWP Vic, Introduction to Meteorology – BoM) <i>and</i> Fire Weather 2, <i>or</i>
A qualification which was awarded after formal assessment and which in the view of the Panel provides evidence of the Applicant’s competence to interpret and analyse fire weather information equivalent to PUAFIR414 Interpret and analyse fire weather information <i>and</i> Fire Weather 2
<b>and</b>
PUAFIR512 Develop and Analyse the Behaviour and Suppression Options for a Level 2 Wildfire, <i>or</i>
An AFAC member agency course for intermediate level Fire Behaviour Analyst which is formally assessed against criteria equivalent to PUAFIR512 Develop and Analyse the Behaviour and Suppression Options for a Level 2 Wildfire, <i>or</i>
A qualification which was awarded after formal assessment and which in the view of the Panel provides evidence of the Applicant’s competence to model and predict a level 2 incident equivalent to PUAFIR512 Develop and Analyse the Behaviour and Suppression Options for a Level 2 Wildfire

*NOTE: in addition to PUAFIR512 Develop and Analyse the Behaviour and Suppression Options for a Level 2 Wildfire, applicants must be able to demonstrate that they are experienced and competent in managing the Fire Behaviour Analyst function at a Level 3 incident/complex bushfire in order to be eligible for this credential.*

## Definitions

<b><i>A high impact, high consequence, complex event:</i></b>	Is a Level 3 incident or equivalent as described in the AIIMS Manual and as determined by the Panel.
<b><i>Equivalent three years' experience:</i></b>	Is the performance of Fire Behaviour Analyst roles in connection with bushfire incidents during periods of above-normal activity, which is sufficiently recent to demonstrate current competency, as determined by the Panel.

## Review

This standard will commence 15 March 2019. The Panel will review this standard after five years or as required.

## Related professional standards

- Code of Ethics (2017).
- Professional Standard: Certified Fire Behaviour Analyst Capabilities (2018).
- Professional Standard: Continuing Professional Development (2018).