

# Professional Standard: Registered Fire Behaviour Analyst

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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 registration in the role of Fire Behaviour Analyst.

Bushfire specific expertise is evaluated as part of the education component of eligibility and is a matter for the assessing agency to determine. Registration is limited to the role and is only assessed for bushfire.

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

## Credential

The Fire Behaviour Analyst credential is awarded to an individual who has successfully fulfilled all eligibility requirements. Individuals will be recognised as proficient in preparing predictions for bushfires (and prescribed burns) for level 2 incidents as defined in AIIMS, with experience in fire behaviour at bushfire events of moderate impact and complexity.

## Education requirements for Registered Fire Behaviour Analyst

Applicants must be able to provide documented evidence of successful completion of one or more of the education components and all associated prerequisites as specified in Table 1.

Table 1:

Course or Program
PUAFIR407 Interpret and analyse fire weather information
An AFAC member agency course for bushfire weather which is formally assessed against criteria equivalent to PUAFIR407 Interpret and analyse fire weather information (e.g. Introduction to Weather - SA CFS, Fire Weather 1 – CFA/DELWP Vic, Introduction to Meteorology – BoM) <i>or</i> FENZ Fire Weather Index Course and achieving NZQF Unit Standard 14564 – Demonstrate Knowledge of the fire environment on vegetation fire behaviour <i>or</i> NZQF Unit Standard 14556 – Apply Fire Weather Index System data for fire reduction and readiness measures <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 PUAFIR407 Interpret and analyse fire weather information
<b>and</b>
Fire Weather 2 (currently run by CFA/DELWP/BoM in Victoria and CFS/DEW/BoM in SA) <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 Fire Weather 2
<b>and</b>
PUAFIR508 Develop and analyse the behaviour and suppression options for a wildfire <i>or</i>
An AFAC member agency course for intermediate level Fire Behaviour Analyst which is formally assessed against criteria equivalent to PUAFIR508 Develop and analyse the behaviour and suppression options for a wildfire <i>or</i> FENZ Intermediate Fire Behaviour Course achieving NZQF Unit Standard 4648 – Demonstrate knowledge of vegetation fire behaviour
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 PUAFIR5082 Develop and analyse the behaviour and suppression options for a wildfire

## Eligibility – Registered Fire Behaviour Analyst

Applicants must be able to provide documented evidence to demonstrate that he or she:

- Has committed to the EMPS Code of Ethics 2017.
- Has successfully fulfilled the role of Fire Behaviour Analyst at moderate impact bushfire events for at least two years and in a minimum of three instances, with at least one instance being in the 12 months before applying.
- Is supported by their home agency or jurisdiction.

## Definitions

<b><i>A moderate impact event:</i></b>	Is a Level 2 incident or equivalent as described in the AIIMS Manual and as determined by the Panel.
<b><i>Instance:</i></b>	Is an operational incident, an exercise involving a realistic simulation of an operational incident, or an incident management team activated in anticipation of an operational incident.

## 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: Continuing Professional Development (2018).