



**Australian Government**

# **CPPBPA5005 Advise on improvements to existing developments for bushfire resilience**

**Release: 1**

# CPPBPA5005 Advise on improvements to existing developments for bushfire resilience

## Modification History

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|------------------|------------------------------------------------------------------------------------------------------------------|
| <b>Release 1</b> | This version first released with CPP Property Services Training Package Release 17.0.<br>New unit of competency. |
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## Application

This unit specifies the skills and knowledge required to identify the characteristics of a site and evaluate existing structures and materials for their bushfire resilience. It includes applying regulatory frameworks and the National Construction Code (NCC), to assess and recommend improvements to improve resilience in bushfire prone areas.

The unit applies to individuals who are paraprofessional workers and have technical and theoretical knowledge of bushfire impact on property developments. They demonstrate autonomy, judgement and responsibility in a range of contexts within broad but established parameters. They possess communication and analytical skills to determine and transmit solutions to complex problems.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

## Pre-requisite Unit

Nil.

## Unit Sector

Fire Technology

## Elements and Performance Criteria

|                                           |                                                                                                                                                                                       |
|-------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Elements describe the essential outcomes. | Performance criteria describe the performance needed to demonstrate achievement of the element.                                                                                       |
| 1 Prepare for on-site assessment.         | 1.1 Determine scope of consultation and prepare brief for client.<br>1.2 Locate site from maps and arrange site visit.<br>1.3 Access and review regional bushfire management plan for |

- site location.
- 1.4 Access and review Bushfire Attack Level (BAL) rating for site.
  - 1.5 Access and review legislation, codes of practice and standards relevant to site and structures for bushfire prone areas.
  - 1.6 Identify health and safety hazards, assess risk and implement controls for site visit according to workplace procedures.
- 2 Assess existing site and structures for bushfire resilience.
    - 2.1 Identify key structures on site for assessment according to client brief.
    - 2.2 Inspect site and key structures and document observations.
    - 2.3 Determine structure design and construction materials subject to legislative frameworks for bushfire prone areas.
    - 2.4 Assess characteristics of structures and materials for compliance with legislative frameworks for bushfire risk.
    - 2.5 Identify non-compliance of structures and materials with current legislative frameworks.
    - 2.6 Document deficiencies of structures and materials for bushfire resilience.
- 3 Determine options and recommendations for improved bushfire resilience.
    - 3.1 Identify options for site and structures to improve bushfire resilience.
    - 3.2 Assess options and select most appropriate for site and structures within constraints of client brief and according to legislative framework.
    - 3.3 Determine recommended improvements to structures for increased bushfire resilience.
    - 3.4 Assess options and select most appropriate bushfire mitigation measures for site.
- 4 Prepare report and
    - 4.1 Compile assessments and recommendations into a report

present to client.

according to client brief.

- 4.2 Present report with recommendations to client and seek feedback.
- 4.3 Review and respond to feedback from client.
- 4.4 Review and amend report and recommendations according to client feedback.
- 4.5 Finalise report and distribute to client.
- 4.6 Maintain records and file reports and recommendations according to workplace procedures.

## Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

## Unit Mapping Information

No equivalent unit.

## Links

Companion volumes to this training package are available at the VETNet website - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=6f3f9672-30e8-4835-b348-205dfcf13d9b>

# Assessment Requirements for CPPBPA5005 Advise on improvements to existing developments for bushfire resilience

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## Performance Evidence

To demonstrate competency, a candidate must meet the elements and performance criteria of this unit by:

Assessing at least two (2) existing developments each with a different Bushfire Attack Level (BAL) for bushfire resilience and determining recommendations for improvements in bushfire prone areas, including:

- preparing a brief for client and attending site to conduct assessments
- reviewing legislative framework governing developments in bushfire prone areas
- assessing site and structures for compliance with legislative frameworks and bushfire risk
- identifying options for improvement to structures and site for bushfire resilience within legislative frameworks and client brief
- determining recommended options for improvement of site and structures
- producing and presenting report according to client brief and feedback.

## Knowledge Evidence

To be competent in this unit, a candidate must demonstrate knowledge of:

- legislative frameworks governing developments and building construction in bushfire prone areas, including regulations, National Construction Code (NCC) and Australian Standards
- regional bushfire management plans and strategies
- interpretation of BAL rating system and related Australian Standards
- health and safety considerations for site visits and assessment
- principles of assessing bushfire resilience, including:
  - site conditions and location
  - building location, design and construction materials
  - elements of the landscape
  - options for improvements to bushfire resilience
- common bushfire mitigation measures
- principles of communication when dealing with clients and stakeholders

- principles of developing client briefs
- report writing components and procedures.

## Assessment Conditions

Assessors must satisfy the requirements for assessors contained in the Standards for Registered Training Organisations.

Competency is to be assessed in the workplace or a simulated environment that accurately reflects performance in a real workplace setting where these skills and knowledge would be performed.

Candidates must have access to:

- site with structures on which to conduct assessment
- regional fire management plans and strategies
- legislation, construction codes and standards relevant to construction in bushfire prone areas
- resources for preparing documentation and reports
- client and client brief.

## Links

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