



Australian Government

CPPBPA5002 Advise on building materials for bushfire resilience

Release: 1

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Modification History

Release 1	This version first released with CPP Property Services Training Package Release 17.0. New unit of competency.
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Application

This unit specifies the skills and knowledge required to conduct an assessment of a proposed building in a bushfire prone area for the suitability of the external materials to be used in its construction, and to provide recommendations consistent with the Bushfire Attack Level (BAL) rating for the proposed building.

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 resources required to gather site data.	1.1	Access and review maps and plans and locate site for assessment.
	1.2	Access site and identify building to be assessed from plans.
	1.3	Obtain and verify BAL for site and building location.

- 1.4 Access and review jurisdictional plans for bushfire management for site location.
 - 1.5 Review legislation, codes of practice and standards relative to construction in bushfire prone areas.
- 2 Assess construction materials for compliance with legislation, regulations and standards for bushfire prone areas.
 - 2.1 Identify building materials for proposed construction from plans and specifications.
 - 2.2 Determine minimum requirement for construction materials according to jurisdictional plans for bushfire management, regulatory requirements and standards for site BAL.
 - 2.3 Assess compliance of specified building materials against site-specific BAL requirements and standards for buildings in bushfire prone areas.
 - 2.4 Identify and record non-compliance of materials to standards, legislation and regulations for bushfire prone areas.
- 3 Report findings of assessment to client.
 - 3.1 Collate assessments from site visit, plans and specifications.
 - 3.2 Develop recommendations for changes to construction materials.
 - 3.3 Prepare a report outlining assessments and recommendations according to workplace procedures.
 - 3.4 Present report with recommendations to client for feedback.
 - 3.5 Review and respond to feedback from client according to workplace procedures.
 - 3.6 Amend report according to feedback from client.
 - 3.7 Finalise report and distribute to client according to workplace procedures.
 - 3.8 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 CPPBPA5002 Advise on building materials 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:

Providing advice for at least two (2) proposed building developments, each with different Bushfire Attack Level (BAL) rating, according to regulations, codes and standards for construction of buildings in bushfire prone areas, including:

- interpreting plans, specifications and applying regulatory framework to assessment of building materials for the specific BAL rating
- identifying non-compliance and developing recommendations
- preparing a report for client which must document:
 - summary of specified building materials
 - identified non-compliance according to standards
 - recommendations for rectification.

Knowledge Evidence

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

- reading and interpreting plans and specifications
- National Construction Code (NCC) and regulatory frameworks relevant to bushfire prone areas
- current legislation and Australian Standards relevant to building in bushfire prone areas
- fire resilience levels of different building materials
- BAL ratings and impact on building materials selection
- report writing components and procedures
- principles of communication when dealing with clients and stakeholders
- workplace 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:

- plans, designs and specifications of building in a bushfire prone area
- site-specific BAL ratings for building designs
- legislation, regulations, codes and standards relevant to building construction in a bushfire prone area
- workplace procedures
- computer and resources for preparation of reports and recommendations
- client.

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