



Australian Government

**Assessment Requirements for
CPCCBS6016 Assess and advise on
performance-based solutions for buildings
up to three storeys**

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Modification History

Release 1.

This version first released with CPC Construction, Plumbing and Services Training Package Version 1.

Performance Evidence

A person demonstrating competency in this unit must satisfy all of the elements, performance criteria and foundation skills of this unit. The person must provide advice on three performance-based solutions for the following buildings up to three storeys:

- one performance-based fire safety solution
- two performance-based solutions for structural safety, health, amenity and sustainability.

In doing the above, the person must:

- determine service levels required by the client or clarify assessment processes with the applicant
- determine the performance requirements applicable to the solutions
- analyse performance-based solutions against performance requirements
- advise on compliance of performance-based solutions, including optional solutions
- advise clients on the documentation required to verify solutions
- assess performance-based solutions and certify those that are compliant.

Knowledge Evidence

A person demonstrating competency in this unit must demonstrate knowledge of:

- construction methods and materials applicable to performance-based solutions
- drawing symbols, notations, acronyms and construction terminology used in the National Construction Code (NCC), Australian standards, working drawings, building design specifications, and building permit documentation
- international standards and guidelines relevant to performance-based solutions
- performance requirements for performance-based solutions specified in the NCC
- principles of fire safety engineering:
 - International Fire Engineering Guidelines, Part 1
 - characteristics of building materials in relation to fire
 - fire-modelling
 - fire science:
 - fire behaviour and dynamics

- impact of fire on structures and materials
- products of combustion
- fire control strategies
- fire retardants
- fire detection technologies
- fire suppression technologies
- fire containment
- human response to fire
- interconnection of fire systems, including cause and effect matrix
- interaction with other services
- project management strategies that ensure thorough and timely advice is delivered according to service level agreement
- regulatory intent of performance-based solutions.

Assessment Conditions

Suitable assessment of performance requires:

- equipment:
 - computer with internet access and business software currently in use in building surveying practices
- materials:
 - documentation for the three performance-based solutions specified in the performance evidence
- specifications:
 - access to the NCC and associated standards.

Assessor requirements

Assessors must satisfy the assessor requirements in the *Standards for Registered Training Organisations* (RTOs) current at the time of assessment.

In addition, assessors must also demonstrate current membership of a relevant industry association and have current registration on the National Building Professionals Register in the Building Industry Control category (level 1) or be accredited under the Australian Institute of Building Surveyors (AIBS) National Accreditation Scheme at Building Surveyor level.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=7e15fa6a-68b8-4097-b099-030a5569b1ad>