



Australian Government

CPCCB5001 Apply building codes and standards to the construction process for Type B construction

Release: 2

CPCBC5001 Apply building codes and standards to the construction process for Type B construction

Modification History

Release 2 Updated reference to general construction induction training program.

Release 1 This version first released with CPC Construction, Plumbing and Services Training Package Release 5.0.

Supersedes and is equivalent to CPCBC5001B Apply building codes and standards to the construction process for medium rise building projects. Change to title. Updated to meet the Standards for Training Packages 2012.

Application

This unit of competency specifies the skills and knowledge required to access, interpret and apply relevant building codes and standards to the construction processes for Type B construction. It includes interpreting the National Construction Code (NCC) and other codes and standards related to a specific building.

It applies to NCC classifications:

- Commercial - Class 2 to 9, Type B

This unit of competency applies to builders, project managers and related construction industry professionals responsible for ensuring compliance with building codes and standards in the building and construction industry.

Completion of the general construction induction training program specified by the model Code of Practice for Construction Work is required for any person who is to carry out construction work. Achievement of *CPCWHS1001 Prepare to work safely in the construction industry* meets this requirement.

Licensing, regulatory or registration requirements apply to this unit of competency in some jurisdictions. Relevant state and territory regulatory authorities should be consulted to confirm these requirements.

Pre-requisite Unit

Nil.

Unit Sector

Building and Construction

Elements and Performance Criteria

Elements describe the essential outcomes.	Performance criteria describe what needs to be done to demonstrate achievement of the element.
1 Classify buildings.	1.1 Determine the nature, use and arrangement of buildings. 1.2 Apply NCC criteria to determine the defined building classification. 1.3 Identify relevant Performance Requirements of the NCC that apply to a project. 1.4 Identify compliance and assess non-compliance against the NCC Performance Requirements.
2 Determine compliance solutions within the NCC.	2.1 Determine Performance Solutions to meet the Performance Requirements. 2.2 Discuss options with relevant persons to necessitate design or construction change. 2.3 Apply Deem-to-Satisfy (DTS) solution with supporting evidence to comply with the Performance Requirements. 2.4 Consider Performance Solutions and supporting evidence to achieve compliance with Performance Requirements. 2.5 Document performance-based solutions in accordance with organisational quality procedures and processes. 2.6 Complete and compile relevant documentation and evidence that complies with NCC Performance Requirements.
3 Apply fire protection requirements.	3.1 Identify passive and active fire control elements required by relevant legislation. 3.2 Determine level of fire resistance required for the construction of buildings up to three storeys. 3.3 Apply NCC requirements with respect to passive and active fire protection to buildings up to three storeys. 3.4 Check passive and active fire protection requirements are applied during and on completion of works.

Foundation Skills

As well as the foundation skills explicit in the performance criteria of this unit, candidates require:

- technology skills to:
 - use communication tools and devices to communicate and collaborate effectively with others
 - use applications to access, extract and share information.

Unit Mapping Information

Supersedes and is equivalent to CPCCBBC5001B Apply building codes and standards to the construction process for medium rise building projects.

Links

Companion volumes to this training package are available at the VETNet website - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=7e15fa6a-68b8-4097-b099-030a5569b1ad>

Assessment Requirements for CPCBC5001 Apply building codes and standards to the construction process for Type B construction

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Performance Evidence

To demonstrate competency, a candidate must meet the elements and performance criteria of this unit by applying building codes and standards to the construction of two Type B buildings:

- one Class 2, 3 or 9 and
- one Class 5 to 8.

In doing this, the candidate must:

- identify the National Construction Code (NCC) Performance Requirements of the project:
 - structure
 - fire resistance
 - access and egress
 - services and equipment
 - health and amenity
 - ancillary provisions
- determine Performance Solutions by applying performance based and Deem-to-Satisfy solutions or a combination of both to meet the Performance Requirements
- apply assessment methods, within the General Requirements of the NCC, to determine whether the solutions meet the relevant Performance Requirements
- apply evidence of suitability requirements, as stated in the National Construction Code (NCC), to repudiate non-conforming building products.

Knowledge Evidence

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

- relevant government building and construction legislation, codes and standards
- contractual requirements

- the NCC:
 - building classification
 - Performance Requirements
 - Performance Solutions
 - Performance Hierarchy
 - Assessment Methods
 - Verification Methods
 - comparison with Deem-to-Satisfy provisions
 - evidence of suitability
 - Expert Judgement
- causes and implications of building defects related to failure of applying building codes and standards to residential and commercial buildings
- extent of remedial work required for various defects caused by inadequate design and application of building codes and practices
- working drawings and specifications
- organisational quality assurance and policies and procedures

Assessment Conditions

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

Assessment can be undertaken in the workplace or in a simulated workplace environment.

A simulated environment is one that realistically replicates workplace conditions, materials and equipment, interactions with others and workplace irregularities, and which meets industry standards for safety and environmental practices.

Candidates must have access to:

- current and relevant government building and construction Acts and regulations
- project plans and specifications
- building codes, standards and manufacturer's products and materials specifications
- the NCC
- technology, applications and software to access and source information.

Links

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