Draft 0.1

This is our work-in-progress update to CPCCBC5001B Apply building codes and standards to the construction process for medium rise building projects: https://training.gov.au/Training/Details/CPCCBC5001B.

We are working with industry experts to ensure the updated unit:

- meets current and anticipated industry needs
- complies with current Standards for Training Packages
- is written in clear understandable English.

Information on our training package review and development process is available here: http://www.artibus.com.au/project-stage.

Summary of changes from current endorsed unit

Re-templated to meet Standards for Training Packages 2012.

Sequenced Elements and Performance Criteria.

Specified what and how performance is demonstrated in Performance Evidence.

Captured critical Range Statement items and included industry relevant knowledge in Knowledge Evidence.

Stated mandatory conditions and specific requirements for assessment.

CPCCBC5001
Apply building codes and standards to the construction process for medium rise building projects

Application

This unit of competency specifies the outcomes required to access, interpret and apply relevant building codes and standards applicable to the construction processes of medium rise commercial and wide span buildings. It includes interpreting the National Construction Code (NCC) and other codes and standards related to a specific building.

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.

This unit is suitable for those who apply a broad range of construction processes to comply with national, state and local building standards and codes.

Medium rise licensing classification referring to Classes 1 and 10 construction, Classes 2 and 3 to a maximum of 3 storeys, and Classes 4 to 9 to a maximum of 3 storeys, not including Type A construction.

Prerequisite Unit

Nil.

Unit Sector

Construction.

Elements and Performance Criteria

1. Classify buildings.	1.1	Determine nature, use and arrangement of building.
	1.2	Apply National Construction Code (NCC) criteria to determine the defined building classification.
	1.3	Identify relevant performance requirements of the NCC that apply to medium rise projects.
	1.4	Identify compliance and assess non-compliance against the NCC performance requirements.
2. Determine compliance solutions with NCC.	3.1	Determine compliance options to meet the performance requirements.
	3.2	Discuss options with relevant persons to necessitate design or construction change.
	3.3	Propose performance solution and supporting evidence to achieve compliance with performance requirements.

	3.4	Apply deem-to-satisfy (DTS) solution with supporting evidence to comply with the performance requirements.
	3.5	Document performance-based solutions in accordance with organisational quality procedures and processes.
	3.6	Complete and compile relevant documentation and evidence that complies with NCC performance requirements.
4. Apply fire protection requirements.	4.1	Identify passive and active fire control elements required by relevant legislation.
	4.2	Determine level of fire resistance required for the construction of various medium rise buildings.
	4.3	Apply NCC requirements with respect to passive and active fire protection to medium rise buildings.
	4.4	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 equivalent to CPCCBC5001B Apply building codes and standards to the construction process for medium rise building projects.

Links

Companion Volume Implementation Guide: to be added.

Assessment Requirements for CPCCBC5001 Apply building codes and standards to the construction process for medium rise building projects

Performance Evidence

To demonstrate competency, a candidate must meet the performance criteria of this unit by applying building codes and standards to the construction of a medium rise building project.

In doing this, the candidate must:

- identify the National Construction Code (NCC) performance requirements of the project
- determine compliance options by applying performance solution and deem-to-satisfy solution 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.

Knowledge Evidence

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

- relevant government building and construction legislation, codes and standards
- National Construction Code:
    - building classification
    - performance requirements
    - compliance options
    - performance hierarchy
    - assessment methods
    - evidence of suitability
    - verification methods
    - comparison with deem-to-satisfy provisions
    - expert judgement
- 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 of performance must be undertaken in the workplace or in a simulated workplace environment.

Candidates must be provided with:

- current and relevant government building and construction acts and regulations
- project plans and specifications
- building codes, standards and manufacturer's products and materials specifications
- National Construction Code
- sufficient equipment and materials to facilitate apply codes and standards to a construction project.

Links

Companion Volume Implementation Guide: to be added.