Draft 0.1

This is our work-in-progress update to CPCCBC6001B Apply building codes and standards to the construction process for large building projects: https://training.gov.au/Training/Details/CPCCBC6001B.

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.

CPCCBC6001
Apply building codes and standards to the construction process for large building projects

Application

This unit of competency specifies the skills and knowledge required to access, interpret and apply relevant building codes and standards applicable to the construction processes of large, high rise and complex buildings. It includes ensuring building design and specifications comply with National Construction Code (NCC) and related standards for large residential or commercial building projects.

This unit of competency applies to builders, project managers and related construction industry professionals who make a range of critical decisions in relatively complex situations and take responsibility for their actions.

Prerequisite Unit

Nil.

Unit Sector

Construction.

Elements and Performance Criteria

1. Interpret relevant codes and standards requirements.	1.1	Identify relevant clauses from the National Construction Code (NCC) that apply to individual open classification projects.
	1.2	Determine scope of works and prescriptive requirements relevant to NCC.
	1.3	Access and interpret requirements of relevant Australian standards referenced in the NCC.
2. Classify buildings.	2.1	Determine nature of a building according to use and arrangement.
	2.2	Apply NCC criteria to determine the defined classification.
	2.3	Identify and interpret NCC requirements for multiple classifications.
3. Apply solutions to construction problems.	3.1	Determine a range of NCC criteria required to ensure project compliance.
	3.2	Identify compliance options for construction problems to comply with NCC performance requirements.
	3.3	Meet the performance requirement of NCC by applying a performance solution supported by one or a combination of the assessment methods.
	3.4	Use a deem-to-satisfy (DTS) solution supported by one or a combination of the assessment methods to meet NCC compliance.
	3.5	Use a combination of performance solutions and DTS solution to comply with the performance requirements of NCC.

	3.6	Identify and complete relevant documentation to meet performance requirements of the NCC.
	3.7	Discuss compliance options with relevant construction personnel to ensure compliance with NCC performance requirements.
4. Apply fire protection requirements.	4.1	Determine fire resistance required for the construction of all classes and types of buildings.
	4.2	Identify and apply NCC requirements with respect to passive and active fire protection to all classes and types of buildings.
	4.3	Check existing buildings for compliance with passive and active fire protection requirements according to NCC requirements.
5. Implement strategy to manage construction compliance.	5.1	Establish strategies to manage construction compliance of large, complex and high rise buildings with NCC.
	5.2	Implement and coordinate the work of professionals involved in the development and management of the building process.
	5.3	Seek effective design solutions for buildings of more than three storeys to meet the needs of clients and ensure compliance with NCC.
	5.4	Design and implement quality assurance processes to ensure effective and compliant management of the construction process.

Foundation Skills

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

- oral communication skills to:
  - lead discussions with a focus group to explore solutions to complex design problems
- technology skills to:
  - use digital tools and devices to communicate and collaborate effectively with others
  - use equipment and programs to access, extract information and develop relevant documentation

Unit Mapping Information

Supersedes and equivalent to CPCCBC6001B Apply building codes and standards to the construction process for large building projects.

Links

Companion Volume Implementation Guide: to be added.

Assessment Requirements for CPCCBC6001 Apply building codes and standards to the construction process for large building projects

Performance Evidence

To demonstrate competency, a candidate must meet the performance criteria of this unit by applying building codes and standards to a building project over three storeys to ensure the building elements and plumbing and draining systems design meets the requirements of the National Construction Code (NCC).

In doing this, the candidate must:

- meet the minimum technical requirements set out in the NCC:
    - general requirements
    - performance requirements
- interpret and apply relevant performance requirements of NCC to the building project
- apply compliance options and determine assessment methods to verify and support compliance with the performance requirements.

Knowledge Evidence

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

- government building and construction legislation
- building standards and codes
- 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, policies, procedures and workplace safety requirements
- definitions and technical building terms
- design principles and the behaviour of structures under stress, strain, compression, bending or combined actions
- properties, characteristics and limitations of building materials, products and components

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 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 for large projects.

Links

Companion Volume Implementation Guide: to be added.