Draft 0.1

This is our work-in-progress update to CPCCBC4001A Apply building codes and standards to the construction process for low rise building projects: https://training.gov.au/Training/Details/CPCCBC4001A.

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 in Assessment Conditions.

CPCCBC4001
Apply building codes and standards to the construction process for low rise building projects

Application

This unit of competency specifies the skills and knowledge required to apply compliance with building codes and standards to residential and low rise commercial buildings. It includes knowledge of the content of the National Construction Code (NCC) coupled with interpreting other codes and standards related to a specific building.

It applies to builders, site managers and related construction industry professionals who access, identify and interpret relevant building codes and standards applicable to low rise building projects.

This unit is suitable for those using specialised knowledge to complete routine and non-routine tasks and using their own judgement to deal with predictable and sometimes unpredictable problems.

Prerequisite Unit

Nil.

Unit Sector

Construction.

Elements and Performance Criteria

1. Classify building.	1.1	Access, read and interpret relevant low rise construction codes and standards.
	1.2	Determine nature of building, its use and arrangement from plans and specifications.
	1.3	Define classification of building from Building Code of Australia (BCA).
2. Determine construction compliance requirements.	2.1	Identify and interpret BCA requirements for multiple classifications.
	2.2	Determine that construction methods comply with NCC Performance Requirements.
	2.3	Discuss performance solutions or deem-to-satisfy (DTS) provisions to meet the performance requirements of the NCC with relevant design and construction professionals.
	2.4	Review and document compliance solutions and ensure compliance with company policies and procedures.
3. Determine fire protection requirements.	3.1	Identify NCC and other legislative requirements for passive and active fire control elements in low rise buildings.
	3.2	Determine level of fire resistance required for the construction of various low rise buildings.

	3.3	Conduct an inspection of existing buildings for compliance with passive and active fire protection requirements.

Foundation Skills

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

- 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 CPCCBC4001A Apply building codes and standards to the construction process for low rise building projects.

Links

Companion Volume Implementation Guide: to be added.

Assessment Requirements for CPCCBC4001 Apply building codes and standards to the construction process for low rise building projects

Performance Evidence

To demonstrate competency, a candidate must meet the performance criteria of this unit by applying the compliance of one low rise building with the current and appropriate codes and standards.

In doing this, the candidate must:

- identify and document the performance requirements and general requirements specific to the low rise project as detailed in the National Construction Code (NCC)
- meet the performance requirements of the NCC, by:
    - using the assessment method to determine a performance solution, and
    - apply the deem-to-satisfy solution to meet the performance requirements

Knowledge Evidence

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

- government building legislation, codes and standards:
    - National Construction Code:
        - performance requirements and general requirements
        - performance solutions and assessment methods
        - performance hierarchy
        - classes of building and types of construction
- organisational policies and procedures, quality systems and best practice approaches
- workplace safety requirements
- properties, characteristics and limitations of specified building materials and components
- processes, procedure and techniques of low rise construction
- basic low rise building design principles and the behaviour of structures under stress, strain, compression, bending or combined actions
- environmental requirements and sustainability principles and concepts
- project plans, specifications, working drawings, structural details
- construction terminology

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:

- government building legislation, codes and standards
- project plans, specifications and manufacturer's instructions
- organisational policies and procedures
- sufficient equipment and materials to facilitate applying building codes and standards to low rise construction project.

Links

Companion Volume Implementation Guide: to be added.