



Australian Government

**Assessment Requirements for
CPC4053 Apply building codes and
standards to the construction process for
Class 2 to 9 Type C buildings**

Release: 1

Assessment Requirements for CPCBC4053 Apply building codes and standards to the construction process for Class 2 to 9 Type C buildings

Modification History

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

Supersedes but is not equivalent to CPCBC4001A Apply building codes and standards to the construction process for low rise building projects.

Unit has been separated into two units for residential low rise and commercial low rise.

Attainment of both CPCBC4053 and CPCBC4001 is equivalent to CPCBC4001A. Updated to meet the Standards for Training Packages 2012.

Performance Evidence

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

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

In doing this, the candidate must:

- determine the type of construction and the use of the building from construction plans and specifications and class of building using National Construction Code (NCC) classifications
- identify current building and construction codes and Australian Standards relevant to the building project
- apply NCC Performance Requirements in relation to the design and construction of the building:
 - structure
 - fire protection
 - access and egress
 - services and equipment
 - health and amenities
 - ancillary provisions
 - energy efficiency
- apply Performance Solutions to ensure that construction complies with Performance Requirements

- identify faults and problems and propose actions to rectify
- inspect a building to determine fire protection compliance with NCC and other legislative requirements.

Knowledge Evidence

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

- government building legislation, codes and standards
- the NCC:
 - Performance Requirements and General Requirements
 - Performance Solutions and Assessment Methods
 - Deem-to-Satisfy Solution (DTS)
 - Performance Hierarchy
 - evidence of suitability for building materials and products
 - classes of building and types of construction
- Assessment Methods stated in the NCC:
 - comparison with DTS provisions
 - evidence of suitability
 - Expert Judgement
 - Verification Method
- below ground construction:
 - methods
 - structural sufficiency
 - water ingress
 - water proofing
 - work health and safety (WHS)
- organisational policies and procedures, quality systems and best practice approaches
- workplace safety requirements
- properties, characteristics and limitations of specified building materials and components
- processes, procedures and techniques for construction of wide span and complex designed buildings
- basic commercial building design principles and the behaviour of structures under stress, strain, compression, bending or combined actions
- 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
- environmental requirements and sustainability principles and concepts
- project plans, specifications and structural details
- construction terminology.

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:

- relevant government building and construction regulations
- current building and construction codes and standards
- NCC Volume 1
- construction drawings, site plans and specifications
- organisational policies and procedures and other quality documentation to undertake the performance criteria and assessment requirements
- digital technology devices, applications and software to source and document information.

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>