



**Australian Government**

**Assessment Requirements for  
CPPBDN4107 Investigate construction  
methods for Class 1 and 10 buildings**

**Release: 1**

# Assessment Requirements for CPPBDN4107 Investigate construction methods for Class 1 and 10 buildings

## Modification History

Release 1 This version first released with CPP Property Services Training Package Release 11.0.

Supersedes and is not equivalent to CPPBDN4001 Research and evaluate construction materials and methods for building design projects.

CPPBDN4001 Research and evaluate construction materials and methods for building design projects was split to create two units. This unit is based on the construction methods component.

Updated to meet the Standards for Training Packages 2012.

## Performance Evidence

To demonstrate competency, a candidate must meet the performance criteria of this unit by investigating and selecting construction methods to produce sketches and annotations of commonly used construction methods for three building design projects:

- each project must be a Class 1 building and at least one must incorporate an associated Class 10 building, as defined by the National Construction Code (NCC)
- at least one project must be a two-storey building
- at least one project must be a building in a bushfire-prone area.

## Knowledge Evidence

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

- correct terminology to define building construction and methodologies for Class 1 and 10 buildings
- sketching and annotation methods
- types of construction relevant to Class 1 and 10 building designs
- construction methods associated with different geographical locations and climatic conditions, including strengths and weaknesses for different contexts
- basic principles of soil mechanics as outlined in *AS 2870 Residential slabs and footings*
- glazing methods for Class 1 and 10 buildings specified in *AS 1288 Glass in buildings - Selection and installation*
- quality and tolerance standards to industry guidelines for construction methods used in Class 1 and 10 buildings
- application, behaviour, performance and interactions of construction methods used in Class 1 and 10 buildings

- common hazards and risks associated with construction methods used in Class 1 and 10 buildings
- key requirements of engineer site classification reports:
  - foundation material
  - wind classification
- commonly used footing and slab construction methods, articulation, shrinkage control
- structural implications for provision of services
- typical structural wall and roof framing systems, bracing, tie-down and provision for services
- typical systems for structural masonry:
  - reinforced
  - unreinforced
  - retaining
- typical cladding systems, non-structural masonry, roofing and flashings.

## Assessment Conditions

Assessors must meet the requirements for assessors contained in the Standards for Registered Training Organisations. Competency is to be assessed in the workplace or a simulated environment that accurately reflects performance in a real workplace setting where these skills and knowledge would be performed. This includes access to:

- computer with internet access and word processing software
- relevant regulations, codes and standards
- technical references with current information on construction methods
- drafting equipment for computer or hand detail sketching.

## Links

Companion volumes to this training package are available at the VETNet website - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=6f3f9672-30e8-4835-b348-205dfcf13d9b>