



Australian Government

**Assessment Requirements for
CPPBDN6103 Evaluate construction
materials, methods and services for Class
2-9 buildings up to three storeys**

Release: 1

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Modification History

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

New unit.

Performance Evidence

To demonstrate competency, a candidate must meet the performance criteria of this unit by evaluating and reporting on suitable construction materials, methods and services for two different building design projects involving Class 2-9 buildings up to three storeys:

- each project must involve buildings in different locations and conditions and of different classifications from 2-9 as defined by the National Construction Code (NCC)
- at least one building must be of Type A construction as defined by the NCC.

Knowledge Evidence

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

- NCC building classifications and construction types A, B and C
- relevant local, state/territory and national legislative requirements
- correct terminology to define building construction and methodology
- application, behaviour, characteristics, performance and interactions of construction materials and methods
- construction methods for different geographical locations and climatic conditions
- strengths and weaknesses of construction methods for different geographical locations and climatic conditions
- common hazards and risks of construction materials and methods
- basic principles of structural engineering
- sources of reliable information on traditional, contemporary and emerging uses of construction materials and methods
- construction methods:
 - post-tensioning
 - low pitched or flat roofing
 - service cores
 - piles and pile caps

- sandwich panels
- fire doors
- vehicle access doors
- applicable characteristics of traditional, contemporary and emerging materials:
 - acoustic properties
 - aesthetic properties
 - availability
 - defects
 - durability
 - fire resistance
 - interaction with other materials
 - limitations due to manufacturing process
 - structural safety
 - sustainability features, such as energy efficiency, thermal properties and lifecycle
 - tolerances
 - transport, storage and handling requirements
- site preparation:
 - shoring
 - underpinning
 - de-watering
 - ground stabilisation
 - retaining structures
- sequencing of construction works
- fire protection:
 - firefighting equipment
 - sprinkler system
 - smoke detection
 - alarm and ventilation systems.

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 legislation, regulations, codes and standards
- technical references with current information on construction materials and methods.

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>