



Australian Government

**Assessment Requirements for
CPPBDN8101 Advise on construction
materials and methods for large and
complex building design projects**

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Modification History

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

Supersedes and is equivalent to CPPBDN8001A Research and evaluate construction materials and methods for complex building design projects.
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:

- researching, evaluating and presenting documented client advice on suitable construction materials, methods and services for two different construction Type A building design projects, as defined in the National Construction Code (NCC).

Knowledge Evidence

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

- relevant local, state/territory and national legislative, industry and workplace requirements:
 - work health and safety (WHS)
 - business requirements including contracts, insurance and indemnity
 - planning requirements, schemes and processes
 - compliance relating to construction Type A building design projects:
 - Australian Standards
 - NCC deemed-to-satisfy (DTS) and alternative solution requirements
 - environmental impact and sustainability requirements:
 - carbon dioxide reduction techniques
 - energy efficiency
 - fire resistance, including resistance to bushfire
 - conservation
 - water, waterways, flora and fauna
 - sources of reliable information on compliance requirements
 - quality standards specified by client
- hazards, risks and sustainability of construction materials and methods

- workplace scope of business and client demographics
- specialist experts and other sources of reliable information on traditional, current and emerging uses of construction materials and methods
- compatibility of materials
- applicable characteristics of traditional, current and emerging materials:
 - acoustic properties
 - aesthetic properties
 - availability
 - cost
 - defects
 - durability
 - fire resistance
 - limitations due to manufacturing process
 - structural safety
 - sustainability features, such as energy efficiency and thermal properties
 - tolerances
 - transport, storage and handling requirements
- applications of traditional, current and emerging materials for structural and sub-structural elements:
 - coatings required
 - compatibility with other elements
 - fixings required
 - use in specific construction methods or systems
- composite, new and emerging materials used for building envelope
- applications of materials used for building envelope:
 - cladding
 - flashing
 - lining
 - roofing
 - waterproofing
- services:
 - electricity
 - fire suppression
 - gas
 - heating, ventilation and cooling
 - telecommunications
 - water.

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 workplace documentation, 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>