Australian Government

Assessment Requirements for CPPBDN5108 Design timber-framed buildings

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 designing a timber-framed structure including bracing and tie down for two class 1 buildings as defined in the National Construction Code (NCC). At least one building must be of two storeys.

Knowledge Evidence

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

- grading processes and grade markings used to categorise timber and timber products
- nature of timber, durability and hazard levels
- processes for the application of wind force, raking forces and bracing and tie-down systems
- design requirements for timber framed buildings applicable to different locations:
  - cyclonic areas
  - non-cyclonic areas
  - bushfire threat zones
- floor framing members:
  - bearers
  - trimmers
  - joists
  - trimming joists
- wall framing members:
  - top and bottom plates
  - common studs
  - lintels
  - jamb studs
  - windowsills
  - studs supporting concentrated loads

- posts supporting floor loads
- posts supporting roof loads
- verandah beams/plates.

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 required software
- relevant regulations, codes and standards
- design drawings for building projects.

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

Artibus Innovation