



Australian Government

Assessment Requirements for CPPBDN4103 Use CAD software to produce drawings for 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 CPPBDN5017A Produce 2-D drawings for building design projects using CAD software. Title changed to clarify unit outcome. 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 using computer-aided design (CAD) software according to manufacturers' specifications and workplace standards to produce five different types of building design drawings selected from the following:

- bracing plans
- electrical power and lighting plans
- floor framing plans
- floor plans
- elevations
- sections
- construction details
- roof drainage plans
- roof framing plans
- site plans
- slab or footing layout plans
- stormwater and sewerage layout plans.

Knowledge Evidence

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

- construction terminology used in building design projects
- functions and operation of CAD software used to produce drawings for building design projects
- digital file management procedures associated with drawings produced using CAD software
- relevant industry standards and codes of practice for producing drawings for building design projects

- types and uses of architectural drawings
- building materials, construction methods and their representation in drawings produced using CAD software
- drafting and drawing protocols:
 - abbreviations
 - commonly used symbols
 - dimensioning
 - drawing titles
 - hatched regions
 - legends
 - lettering standards
 - line types
 - numbering
 - paper size
 - scale
 - schedules
 - standard units of measurement.

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:

- computers with CAD and portable document format software
- industry standards and building codes for producing required drawings.

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>