



Australian Government

**Assessment Requirements for
CPCCB4004 Identify and produce
estimated costs for building and
construction projects**

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Modification History

Release 2 Updated reference to general construction induction training program.

Release 1 This version first released with CPC Construction, Plumbing and Services Training Package Release 5.0.

Supersedes and is equivalent to CPCCBC4004A Identify and produce estimated costs for building and construction 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 estimating the cost of one residential or commercial building and construction project.

In doing this, the candidate must:

- estimate project costing from construction drawings, specifications and written information
- list physical resources appropriate for the construction of the project
- produce project cost using an appropriate software program.

Knowledge Evidence

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

- government building and construction regulations
- building and construction standards and codes
- the National Construction Code (NCC)
- organisational policies and procedures
- organisational scope, processes and requirements for using employee and subcontractor labour
- Environmental Protection Authority (EPA) regulations
- construction drawings and specifications
- relevant physical resources and requirements for their operations:
 - earth moving and excavation equipment
 - hoists and lifting equipment
 - mobile cranes
 - compressors
 - generators

- pumps
- calculating unit costs:
 - construction cost per square metre
 - laying of foundation per metre
 - laying of slabs per square metre
 - masonry walls per square metre
 - laying of steel tray roofing per square metre
 - installation of pipes per metre
 - installation of sanitary ware per unit
 - tiling per square metre
 - painting per square metre
- a range of digitally-based technology and applications to estimate quantities, calculate costs and maintain records
- workplace procedures, workplace safety and environmental requirements.

Assessment Conditions

Assessors must meet the requirements for assessors contained in the Standards for Registered Training Organisations.

Assessment can be undertaken in the workplace or in a simulated workplace environment.

A simulated environment is one that realistically replicates workplace conditions, materials and equipment, interactions with others and workplace irregularities, and which meets industry standards for safety and environmental practices.

Candidates must have access to:

- current construction drawings and specifications
- building and construction standards and codes
- government building and construction regulations
- organisational policies and procedures and other quality documentation required to undertake the performance criteria and assessment requirements
- calculating technology, online applications and software to produce building and construction costs.

Links

Companion volumes to this training package are available at the VETNet website - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=7e15fa6a-68b8-4097-b099-030a5569b1ad>