



Australian Government

**Assessment Requirements for
CPCCB4018 Apply site surveys and
set-out procedures to 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 CPCBC4018A Apply site surveys and set-out procedures to building and construction projects. Updated to meet the Standards for Training Packages 2012.

Performance Evidence

To demonstrate competency, a candidate must meet the elements and performance criteria of this unit by surveying and setting out a residential or commercial building on site.

In doing this, the candidate must:

- select and operate one surveying and one levelling device
- develop a topographic contour plan
- calculate cut and fill quantities:
 - area and volume of land to be levelled
 - area of land to be filled
 - volume of fill required.

Knowledge Evidence

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

- working drawings, specifications and design principles
- relevant building codes and specifications
- linear and angular measurements, geometry and trigonometry
- principles of surveying and set-out
- operational and functional features of levelling and surveying devices:
 - electronic distance measuring (EDM) equipment
 - laser
 - optical level
 - water level
 - theodolite.

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 project and site plans and specifications
- organisational surveying, set-out and associated documents
- relevant computer software packages and technology applicable to survey and set-out practices
- levelling devices and survey equipment to enable site survey and set-out for a building and construction project.

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>