



Australian Government

Assessment Requirements for CPPSSI4041 Set out site and building works

Release: 1

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Modification History

Release 1 This version first released with CPP Property Services Training Package Release 12.0.

This unit supersedes and is equivalent to CPPSIS4041 Set out site and building works.

Performance Evidence

To demonstrate competency a candidate must meet the elements and performance criteria of this unit by setting out spatial data for site or building works using a total station for two different projects selected from:

- boundary set-out
- building set-out
- road set-out
- pipeline set-out
- earthworks set-out
- construction set-out.

Each set-out survey must have a minimum of six marks calculated, placed and checked.

Knowledge Evidence

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

- mathematical concepts relating to algebra, trigonometry and geometry and their use in calculating spatial measurements
- drawing conventions and representations in construction plans
- methods for:
 - calculating surveying data and verifying its accuracy using primary and secondary control
 - calculating height, distances, angles and coordinates
 - establishing a control network that meets specified tolerances
 - setting up, levelling and adjusting equipment used to set out spatial data
 - recording spatial data relating to set-out
- reference and coordinate systems for surveying data, including Australian Height Datum and Map Grid of Australia
- types of pegs and markers used during set-out

- instrument-based methods for:
 - optimal placement of pegs and markers on the site
 - horizontal and vertical control techniques.

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.

Candidates must have access to:

- total station
- scientific programmable calculator or software application that includes surveying calculations
- job specifications, maps and plans
- organisational policies and procedures relating to:
 - work health and safety (WHS)
 - setting up and using surveying equipment
 - spatial data collection.

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>