



Australian Government

Assessment Requirements for CPPSIS4041

Set out site and building works

Release: 1

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Modification History

Release 1.

Replaces superseded non-equivalent CPPSIS4029A Collect and set out basic surveying data.

This version first released with CPP Property Services Training Package Version 3.

Performance Evidence

A person demonstrating competency in this unit must satisfy the requirements of the elements, performance criteria, foundation skills and range of conditions of this unit. The person must also set out spatial data for site or building works for two different projects as follows:

- one project is to be conducted using a total station
- one project is to be conducted using a global navigation satellite system (GNSS).

While setting out the above spatial data, the person must:

- plan work tasks by checking plans, maps, specifications and control marks
- communicate clearly with others to clarify work tasks and report project information
- set out marks and lines to define position and level of design points on site
- use horizontal and vertical control techniques to position design points and markers
- comply with organisational and legislative requirements for:
 - identifying hazards and working safely
 - recording, storing and filing spatial data
 - setting up and using surveying equipment
- comply with manufacturer specifications when using surveying equipment
- measure and calculate spatial data within industry-accepted tolerances for accuracy.

Knowledge Evidence

A person demonstrating competency in this unit must demonstrate knowledge of:

- mathematical concepts relating to algebra, trigonometry and geometry and their use in calculating spatial measurements
- methods for performing the following:
 - calculating surveying data and verifying its accuracy using primary and secondary controls
 - establishing a control network that meets specified tolerances
 - recording spatial data relating to set-out

- setting up, levelling and calibrating equipment used to set out spatial data
- purpose of primary and secondary controls for 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, and methods for ensuring their optimal placement on site.

Assessment Conditions

The following must be present and available to learners during assessment activities:

- equipment:
 - GNSS
 - total station
- specifications:
 - job specifications, maps and plans
 - organisational policies and procedures relating to:
 - work health and safety
 - setting up and using surveying equipment
 - spatial data collection
- relationships with team members and supervisor:
 - working in a team.

Timeframe:

- as specified by project requirements.

Assessor requirements

As a minimum, assessors must satisfy the assessor requirements in the Standards for Registered Training Organisations (RTOs) current at the time of assessment.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=6f3f9672-30e8-4835-b348-205dfcf13d9b>