



Australian Government

Assessment Requirements for CPPSIS4025 Collect spatial data using GNSS

Release: 1

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Modification History

Release 1.

Replaces superseded equivalent CPPSIS4025A Collect basic GNSS data.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 collect spatial data using global navigation satellite systems (GNSS) for two different tasks in consultation with colleagues.

While collecting the above spatial data, the person must:

- collect point positional data and attributes to surveying accuracies for the task, both by single point positioning and differential techniques for designated datum and map projection
- communicate clearly with others to clarify data collection tasks and report task information
- comply with organisational and legislative requirements for identifying hazards and working safely
- operate the equipment specified in the assessment conditions, and comply with industry and organisational methods for data collection
- plan work tasks to take into account factors that affect accuracy of data collection using GNSS
- spatially view collected positional data, and non-spatially view collected attributes
- verify accuracy of a sample of collected points by recollecting points or other suitable method.

Knowledge Evidence

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

- difference in heights and height datums between GNSS heights and heights on Australian Height Datum
- factors that affect accuracy of data collection by GNSS
- methods for checking accuracy of data collected
- purpose of and methods for setting designated datum and map projection
- typical accuracies obtainable with different GNSS techniques.

Assessment Conditions

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

- equipment:
 - GNSS equipment and any associated software
- specifications:
 - job specifications and plans
 - organisational policies and procedures relating to work health and safety
- relationships with team members and supervisor:
 - working in a team.

Timeframe:

- as specified by task and organisational 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>