



Australian Government

CPPSSI2012 Assist in collecting basic spatial data

Release: 1

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Modification History

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

Supersedes and is equivalent to CPPSIS2012 Assist in collecting basic spatial data.

Application

This unit specifies the skills and knowledge required to assist surveying and spatial information services team members to collect basic spatial data in the field. Basic spatial data refers to measurements of distances, angles and heights. It includes participating in spatial data gathering activities, recording data in the correct format, using equipment in a safe manner, and completing and storing data and documentation.

This unit is suitable for individuals who are operating under supervision and preparing to enter the workforce. They use basic mathematical, cognitive, technical and communication skills to follow instructions and apply appropriate methods, tools, materials and information to undertake defined activities in a restricted range of contexts.

All work must be carried out to comply with workplace procedures, in accordance with relevant state/territory regulations that govern surveying work, as well as work health and safety (WHS) legislation and regulations that apply to the workplace.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Nil.

Unit Sector

Surveying and Spatial Information Services

Elements and Performance Criteria

Elements describe the essential outcomes.

Performance criteria describe what needs to be done to demonstrate achievement of the element.

- | | |
|--|---|
| 1 Prepare to collect basic spatial data. | 1.1 Clarify task requirements with supervisor. |
| | 1.2 Select tools and equipment to meet task requirements as |

		instructed.
	1.3	Identify requirements for safe use of equipment.
	1.4	Select appropriate safe work methods and personal protective equipment (PPE) for the task.
2 Collect basic spatial data in specified format.	2.1	Use equipment according to task and safety requirements and manufacturer specifications.
	2.2	Record clear and accurate measurements that can be interpreted by a third party.
	2.3	Use mathematical knowledge to check that data collected is reasonable and measures what is required.
	2.4	Seek assistance from supervisor or appropriate person as required.
	2.5	Communicate with colleagues using a communication device.
3 Finalise spatial data collection tasks.	3.1	Check and store equipment safely according to organisational requirements and manufacturer specifications.
	3.2	Report unsafe or faulty equipment according to organisational requirements.
	3.3	Use organisational proformas to accurately record measurements and data.
	3.4	Store data and documentation according to organisational requirements.

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Unit Mapping Information

Supersedes and is equivalent to CPPSIS2012 Assist in collecting basic spatial data.

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>

Assessment Requirements for CPPSSI2012 Assist in collecting basic spatial data

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Performance Evidence

To demonstrate competency a candidate must meet the elements and performance criteria of this unit by collecting basic spatial data, under supervision, for two surveying field projects.

For each project, a total station and one item from the following list must be used:

- clinometer or device to measure vertical angles
- compass
- data recording equipment
- digital or hard copy map
- distance measuring tape
- distance measuring wheel
- level
- scientific calculator
- simple global positioning system (GPS) device to determine position
- simple laser measuring device
- communications device.

Knowledge Evidence

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

- types and application of spatial data collection equipment
- industry-accepted standards for recording surveying measurements and data
- organisational procedures and requirements relating to:
 - accessing manufacturer instructions
 - collecting spatial data
 - formats for records and documentation
 - reporting problems
 - types and uses of communications equipment.

Assessment Conditions

Assessors must satisfy 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:

- equipment for data collection
- equipment operating manuals and manufacturer instructions
- documentation relating to work tasks
- supervisor and other appropriate persons for assistance with work tasks.

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