



Australian Government

CPPSSI3019 Produce basic plans of surveys

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 CPPSIS3019 Produce basic plans of surveys.

Application

This unit specifies the skills and knowledge required to use suitable computer software to produce basic plans of a survey from field surveying data. It includes setting up equipment and software, establishing surveying data and dimensions, processing data, and producing basic plans.

This unit is suitable for surveying or spatial information services assistants working under supervision. They use cognitive, technical and communication skills to select and apply a range of methods, tools, materials and information to complete routine activities and provide solutions to predictable and sometimes unpredictable problems.

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 legislation and regulations that apply to the workplace.

Cadastral surveying must be undertaken under the supervision of a registered surveyor. Users must check with the relevant regulatory state/territory authority before delivery.

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.

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|---|-------------------------|-----|---|
| 1 | Prepare to create basic | 1.1 | Clarify task requirements with appropriate persons. |
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plan of survey.	1.2	Identify data privacy and licensing requirements relevant to the task.
	1.3	Set up and check hardware, software and other equipment required to meet task requirements.
	1.4	Establish dimensions and data required for plan.
	1.5	Access and retrieve required data according to task requirements.
2 Compile plan content.	2.1	Insert content data obtained from collected field surveying data into the plan.
	2.2	Apply measurements of bearings, angles, distances, coordinates, perimeter and area.
	2.3	Use basic software functions to process surveying data for plan of survey according to task requirements.
	2.4	Prepare and insert title block information into plan of survey.
	2.5	Apply basic drafting design elements to plan of survey.
3 Finalise basic plan production.	3.1	Check preliminary plan of survey for accuracy.
	3.2	Review and make any necessary adjustments to plan in consultation with appropriate persons.
	3.3	Print finalised plan to scale and store according to organisational practices.
	3.4	Store data files securely according to organisational practices and data privacy 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 CPPSIS3019 Produce basic plans of surveys.

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 CPPSSI3019 Produce basic plans of surveys

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Performance Evidence

To demonstrate competency a candidate must meet the elements and performance criteria of this unit by using software to produce two different basic plans of surveys.

The plans must include examples of:

- plotting of coordinate points
- plotting detail from traverse using bearings and distances
- creation of contour lines.

Knowledge Evidence

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

- typical content of plans of a survey
- basic design elements used in survey drawings, including title block, line thickness, line style, text size and text font
- key features of plane coordinate systems
- industry-accepted standards relating to preparing and producing plans using software
- methods for checking and validating drawing accuracy
- software functions to produce basic plans.

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:

- computer hardware and software suitable for preparing and producing plans of a survey.

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