

**Draft 0.2**

This is a draft update to CPPSIS5051 Apply land and planning law to surveying:  
<https://training.gov.au/Training/Details/ CPPSIS5051> .

Code changed to CPPSI5051 and changed title to Conduct an identification survey, to better reflect unit outcome.

Title changed to reflect unit intent  
Standardised Licensing Statement in Application.

Changed PCs to active voice.

PC 1.2 inserted from Performance Evidence

Reference to: 'two different surveying projects ' in first sentence of PE may be problematic at audit as no specific details provided.

Changed 'person' to 'candidate' in PE.

Range of Conditions added to Knowledge Evidence.

I've added mapping info.

TAG will need to reassess this as unit is redeveloped.

## Unit of Competency

### CPPSI5051 Conduct an identification survey

#### Modification history

Release	Comments
1	<del>Replaces superseded equivalent CPPSI5051A Apply land and planning law to surveying.</del> This version first released with CPP Property Services Training Package Version 3.
	Replaces superseded equivalent CPPSI5051 Apply land and planning law to surveying

#### Application

This unit specifies the skills and knowledge required to apply land and planning law to surveying property title boundaries. The unit covers marking out urban structures and identifying urban lots and related improvements using cadastral surveying methods and equipment. It also covers compiling reports and sketches for submission to an approving authority as part of a development application.

This unit is suitable for skilled surveying technicians and skilled spatial information system (SIS) technicians who use a broad range of cognitive, technical and communication skills to select and apply methods and technologies to analyse information and provide solutions to sometimes complex surveying/spatial information problems. Surveying and spatial information skills are applied in a range of industry contexts including town planning, civil construction, mining, engineering, health, agriculture and defence.

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, regulations and legislation 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, regulatory, or certification requirements apply to this unit of competency at the time of publication.

#### Prerequisite Unit

None

#### Unit Sector

Surveying and Spatial Information Services

#### Elements and Performance Criteria

1. Determine survey requirements	1.1 Conduct a search on legal and statutory requirements and to obtain survey information relating to boundary dimensions, design information, land title information and topographic features. 1.2 Locate survey marks from survey plan and establish position of parcel of land corners. 1.3 Mark the boundary with offset lines and use line marks on long or obstructed boundaries as required.
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	<p>1.4 Use monumented and non-monumented occupations to establish an azimuth parallel to street boundary.</p> <p>1.5 Adopt assumed azimuth to enable completion of field survey and calculations and make required adjustments to swing onto azimuth.</p> <p>1.6 Calculate azimuth derived from marks at opposite extremities of survey.</p> <p>1.7 Interpret relationship between alignment marks to determine relevant boundaries shown alignment in plans.</p>
2. Meet local and state government regulatory requirements.	<p>3.1 Meet re-mark survey and siting requirements for local government area.</p> <p>3.2 Adhere to relevant survey regulations relating to supervision and accuracy of surveys, field procedures, and survey searching.</p> <p>3.3 Prepare field notes according to legal and statutory standards.</p>
3. Mark-out and calculate identification survey.	<p>2.1 Establish azimuth and calculate boundaries using occupations and monuments or reference marks.</p> <p>2.2 Calculate position of improvements in relation to boundaries using industry-accepted methods.</p> <p>2.3 Apply appropriate validation methods to verify positioning of all placed marks and accuracy of data.</p>
4. Prepare survey report.	<p>4.1 Prepare clear and concise survey report and related sketches suitable to accompany development application.</p> <p>4.2 Incorporate physical constraints and environmental impacts of development into report.</p>

### 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 CPPSIS5051 Apply land and planning law to surveying

### Links

The Companion Volume Implementation Guide for the CPP Property Services Training Package is available at <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=6f3f9672-30e8-4835-b348-205dfcf13d9b>

## Assessment Requirements for CPPSSI5051 Conduct an identification survey

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### Performance Evidence

To demonstrate competency, a candidate must meet the elements and performance criteria of this unit by undertaking an identification survey for two different surveying projects:

- one project must be for a greenfield site
- one project must be for additions or renovations on an urban site.

### Knowledge Evidence

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

- accuracy and precision requirements for cadastral surveying data
- purpose of monuments in marking lines
- data capture and set-out methodologies used in surveying
- data reduction techniques
- measurements and computations relating to length, angle, elevation and area
- methods for setting up and calibrating surveying equipment
- possible community issues and repercussions relating to permits
- reference and coordinate systems for surveying data, including Australian Height Datum and Map Grid of Australia
- submission process for local government approvals
- legislative, statutory and industry requirements and standards relating to cadastral surveying and local government planning requirements
- aspects of land and planning law impacting on surveying tasks:
  - common law title
  - community title
  - set-back requirements
  - strata title
  - Torrens title system
  - easements.

### 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:

- surveying equipment

- survey specifications and relevant surveying, construction and engineering plans and drawings
- local land and planning laws.

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