



Australian Government

Assessment Requirements for CPPSIS5051 Apply land and planning law to surveying

Release: 1

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Modification History

Release 1.

Replaces superseded equivalent CPPSIS5051A Apply land and planning law to surveying.

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 apply land and planning law to two different surveying projects.

While applying land and planning law to above projects, the person must:

- accurately calculate position of improvements in relation to boundaries and set-out buildings
- apply road alignment design and associated computations with accuracy and precision
- check and validate position of all marks
- communicate clearly with others to clarify and report survey information
- comply with organisational requirements relating to:
 - completing records and documentation, including field notes
 - meeting local government building requirements
 - recording, storing and filing data
 - setting up and using surveying equipment
 - working safely and using personal protective equipment (PPE)
- comply with relevant legal and statutory requirements and standards to ensure accuracy of survey, field procedures and searches
- conduct research to obtain survey information relating to:
 - boundary dimensions
 - design information
 - land title information
 - topographic features
- apply traverse surveying techniques and calculations
- follow standard operating procedures to perform cadastral surveying tasks using two of the following pieces of surveying equipment:
 - global navigation satellite system (GNSS)
 - level
 - tape
 - total station

- identify physical constraints and environmental impacts of planned developments, including those relating to two of the following:
 - drainage
 - easements
 - public reserves
 - sediment control
 - sewerage control
- implement project management mechanisms to ensure survey is completed within required timeframes and complies with specifications
- prepare clear and concise survey report and related sketches to accompany development application.

Knowledge Evidence

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

- accuracy and precision requirements for cadastral surveying data
- aspects of land and planning law impacting on surveying tasks, including:
 - common law and old system title
 - community title
 - crown land, alienation and native title
 - environmental protection
 - set-back requirements
 - strata title
 - Torrens title system
- data capture and set-out methodologies used in surveying
- data reduction techniques
- industry-accepted methods for validating surveying data to identify errors and discrepancies
- legislative, statutory and industry requirements and standards relating to cadastral surveying and local government building requirements
- methods for setting up and calibrating surveying equipment
- purpose of monuments in marking lines
- organisational policies and procedures relating to:
 - health and safety relating to survey activities
 - reporting and documentation
 - using the surveying equipment specified in the performance evidence
- possible community issues and repercussions relating to building permits
- reference and coordinate systems for surveying data, including Australian Height Datum and Map Grid of Australia
- submission process for local government building approvals.

Assessment Conditions

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

- equipment:
 - as specified in the performance evidence, including PPE
- specifications:
 - survey specifications, including relevant surveying, construction and engineering plans and drawings
 - local land and planning laws
 - organisational policies, procedures and documentation relating to work health and safety and complying with planning submission processes
- relationships with team members and supervisor:
 - supervision by a registered or licensed land surveyor is required in some jurisdictions.

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>