



Australian Government

**Assessment Requirements for CPPSIS5044
Develop subdivision survey designs for local
government approval**

Release: 1

Assessment Requirements for CPPSIS5044 Develop subdivision survey designs for local government approval

Modification History

Release 1.

Replaces superseded equivalent CPPSIS5044A Develop a subdivision survey design for local government approval.

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 develop a subdivision survey design for local government approval in response to two different client requests.

While developing the above subdivision survey designs, the person must:

- analyse existing plans, drawings, surveying data and photographs to plan service provision
- conduct research to obtain information relating to planned subdivisions, including:
 - boundary dimensions
 - connections
 - land title information
 - local government provisions and restrictions relating to subdivision, zoning, heritage and flooding
 - services
 - subdivision plan
 - title search
 - topographic features
- accurately measure and calculate boundary dimensions and mark subdivision lots
- use industry-accepted methods to check and validate measurements and calculations
- analyse and comply with land and planning law and local government guidelines for building approvals
- communicate clearly with appropriate persons in writing and verbally, to obtain information, clarify service and survey detail, and explain and report submission processes and outcomes
- comply with organisational requirements relating to:
 - completing records and documentation, including field notes
 - prioritising service requests
 - recording, storing and filing surveying data
 - 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 submission information
- determine availability of existing services and costs of supply
- determine survey controls, land dimensions and corners, and locate features, boundaries, surrounds, connections and offsets
- identify physical constraints and environmental impacts of planned developments, including those relating to three of the following:
 - drainage
 - easements
 - public reserves
 - sediment control
 - sewerage control
- monitor local government approval process, including observing advertising and exhibition requirements
- perform surveying tasks using one of the following surveying equipment:
 - global navigation satellite system (GNSS)
 - total station
- prepare clear and concise subdivision survey design submission, with plans that comply with local government approval assessment criteria
- use surveying data and other relevant information to produce plans, including contours.

Knowledge Evidence

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

- accuracy and precision requirements for cadastral surveying data and subdivision survey design
- 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
 - residential subdivision provisions
 - 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 data to identify errors and discrepancies
- industry-accepted standards relating to subdivision survey design
- land tenure systems appropriate to relevant jurisdiction
- legislative, statutory and industry requirements and standards relating to:
 - cadastral surveying

- local government building requirements
- methods for determining availability of existing services and costs of supply
- methods for setting up and calibrating surveying equipment
- organisational policies and procedures relating to:
 - completing records and documentation
 - health and safety when using the surveying equipment specified in the performance evidence
 - prioritising service requests
 - recording, storing and filing data
- 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
- local government approval and submission processes relating to subdivision survey design
- road alignment design and associated computations.

Assessment Conditions

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

- equipment:
 - as specified in the performance evidence, including PPE
- specifications:
 - subdivision survey specifications, including relevant surveying, construction or engineering plans and drawings
 - equipment operating manual and manufacturer specifications
 - organisational policies, procedures and documentation relating to submission process
 - relevant legislative, statutory and industry requirements and standards relating to cadastral surveying and local government building requirements for the jurisdiction
- relationships with team members and supervisor:
 - supervision by a registered surveyor or licensed land surveyor is required in some jurisdictions
- relationships with clients:
 - client consultation required.

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>