



Australian Government

Assessment Requirements for CPPSIS3020 Perform basic surveying computations

Release: 1

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Modification History

Release 1.

Replaces superseded equivalent CPPSIS3020A Perform basic surveying computations.

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 accurately perform basic computations for two different surveying computational tasks, demonstrating the ability to:

- calculate perimeter and areas of simple regular figures
- calculate adjusted coordinates of points on a closed traverse
- convert between:
 - polar and rectangular coordinates
 - vertical angles and gradients and vice versa
- check accuracy of above computations.

During the above surveying computational tasks, the person must:

- communicate clearly with others to clarify work tasks and computational results
- comply with organisational requirements and industry-accepted methods for systematically and legibly laying out computations
- use organisational documents to complete required records.

Knowledge Evidence

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

- common surveying and mathematical terms used in basic surveying computations
- industry-accepted methods for performing and laying out different types of basic surveying computations
- organisational policies and procedures for completing surveying records and documentation.

Assessment Conditions

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

- equipment:

- scientific or programmable calculator or software application
- specifications:
 - task specifications
- relationships with team members and supervisor:
 - working under supervision.

Timeframe:

- as specified by task and organisational 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>