



Australian Government

Assessment Requirements for CPPSSI3020 Perform simple surveying and spatial computations

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 CPPSIS3020 Perform basic surveying computations.

Performance Evidence

To demonstrate competency a candidate must meet the elements and performance criteria of this unit by accurately performing and checking simple computations, including:

- two calculations of perimeters and areas of simple regular figures
- two calculations of angular misclose and adjusted angle on a closed traverse
- two calculations of bearing misclose and adjusted bearings on a closed traverse
- two calculations of traverse misclose and accuracy ratio
- two calculations of coordinates of points on a closed traverse
- two conversions between:
 - polar and rectangular coordinates
 - vertical angles and gradients
 - gradients and vertical angles
- two calculations of simple statistics, including mean, mode and median
- two calculations of heights using trigonometric heighting.

Knowledge Evidence

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

- common surveying and mathematical terms used in simple surveying computations
- industry-accepted methods for performing, laying out and checking different types of simple surveying computations.

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:

- scientific or programmable calculator or software applications.

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>