



Australian Government

Assessment Requirements for CPPSSI5062 Conduct photogrammetric mapping

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 CPPSIS5062 Conduct photogrammetric mapping.

Performance Evidence

To demonstrate competency a candidate must meet the elements and performance criteria of this unit by conducting photogrammetric mapping for two different projects.

For each mapping the candidate must:

- include data images from at least two of the following sources:
 - aerial survey
 - unmanned aerial vehicle (UAV)
 - remote sensing data
 - light detection and ranging (LiDAR)
 - stereo imagery
 - videogrammetry
 - other forms of digital data in the horizontal or vertical plane
- produce at least two of the following for the photogrammetric project:
 - contours line or topographic maps
 - volumetric calculation
 - orthophoto mosaics
 - stereo models
 - digital elevation model.

Knowledge Evidence

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

- sources of image data
- graphical and technical information from maps and photographs
- properties and characteristics of photogrammetric data used in mapping
- key features of spatial reference systems relating to photogrammetric mapping
- format requirements for image data

- requirements for ground control in photogrammetric mapping
- legislative and administrative requirements for accessing, using, storing and backup of photogrammetric data, including data privacy, copyright and licensing
- relevant industry standards relating to photogrammetric mapping
- work health and safety (WHS) requirements for using screen-based equipment.

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:

- computer and software applications for conducting photogrammetric mapping
- organisational policies and procedures relating to data privacy, copyright and licensing.

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>