



Australian Government

Assessment Requirements for CPPSSI4040

Collect spatial data using a total station

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 CPPSIS4040 Collect spatial data using terrestrial technologies.

Performance Evidence

To demonstrate competency a candidate must meet the elements and performance criteria of this unit by collecting spatial data using a total station for two different tasks selected from:

- a minimum of five 3-D traverse legs
- resections to a minimum of four control points
- spot level and detail surveys over a minimum of 500 m² area
- pick up building outlines using reflectorless radiations.

Knowledge Evidence

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

- methods for setting up, levelling and adjusting equipment
- types, functions and accuracies of total stations used in surveying
- methods for calculating spatial data and verifying its accuracy
- mathematical concepts relating to algebra, trigonometry and geometry and their use in calculating basic spatial measurements
- methods for downloading data collected using terrestrial technologies
- formats and documentation used for recording spatial data collected using total stations.

Assessment Conditions

Assessors must meet 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:

- total station

- job specifications and plans
- organisational policies and procedures relating to:
 - work health and safety (WHS)
 - recording and storing spatial data.

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>