



Australian Government

Assessment Requirements for CPPSSI6036 Monitor engineering structures

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 CPPSIS6036 Monitor engineering structures.

Performance Evidence

To demonstrate competency a candidate must meet the elements and performance criteria of this unit by monitoring engineering structures for two projects.

For each project, the candidate must conduct measurements and calculations to meet engineering specifications using three of the following pieces of equipment:

- current meter
- global navigation satellite system (GNSS)
- level
- tape
- theodolite
- total station.

Knowledge Evidence

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

- reference and coordinate systems for surveying data, including Australian Height Datum and Map Grid of Australia
- project zone design
- graphical and technical information in engineering plans
- accuracy and precision requirements and tolerances for engineering structures
- data formatting, processing and reduction techniques
- industry-accepted standards and methods for validating data to identify errors and discrepancies
- legislative requirements and industry standards relating to monitoring engineering structures
- work health and safety (WHS) relating to survey activities and work on construction sites
- processes to establish and use high-level survey control
- use and application of network and traverse adjustments

- methods for calculating surveying data and verifying its accuracy using spatial reference systems
- methods for connecting equipment to coordinate systems
- methods for setting up, levelling and calibrating surveying equipment
- methods for identifying and reporting non-conformities.

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:

- equipment for monitoring engineering structures
- survey specifications, including relevant engineering plans and drawings.

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>