Australian Government

Assessment Requirements for CPPSIS6025 Apply quality control measures to spatial products and services

Release: 1

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Modification History

Release 1.

Replaces superseded equivalent CPPSIS6025A Apply quality control measures to spatial information services industry.

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 apply quality control measures to:

- one spatial product
- one spatial service.

While applying quality control measures to the above spatial product and service, the person must:

- analyse specifications and spatial data requirements to develop quality control processes
- schedule work tasks and organise resources and equipment
- determine and apply quality assessment criteria to products and services
- identify and resolve quality variances
- comply with industry-accepted standards for validating accuracy of surveying data and identifying errors and discrepancies
- comply with organisational, legal and statutory requirements for:
  - completing records and documentation
  - health and safety when using surveying equipment
  - recording, storing and filing data
  - using, checking and storing equipment
- conduct independent inspection, tests and audits of spatial products and services
- design and plan quality control measures to account for:
  - identified risks and contingencies
  - legal and statutory standards and legislative requirements
  - resources
  - technologies and techniques to be used
- design computations to be used to assess quality of spatial data
- implement project management mechanisms to ensure that quality control processes are completed within required timeframes and comply with specifications

- interpret specifications to identify products and services to be examined and assessed
- monitor and maintain quality improvements
- perform error analysis using one of the following methods or pieces of equipment:
  - computer-aided design
  - digital gauge
  - dimensional gauge
  - measurements
  - tapes
  - templates
  - visual inspection
- promote quality awareness among the work team
- communicate clearly with others to clarify and report quality control information and negotiate task completion
- supervise staff to complete work tasks on time.

Knowledge Evidence

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

- accuracy and precision requirements and tolerances for surveying products and services
- data formatting, processing and reduction techniques
- industry-accepted methods for validating data to identify errors and discrepancies
- legislative, statutory and industry requirements and standards relating to work tasks
- methods of assessing existing spatial datasets and dataset sources
- methods for calculating surveying data and verifying its accuracy using spatial reference systems
- methods for error analysis using sample products and services
- methods for reporting non-conformities in spatial product or service
- organisational policies and procedures relating to:
  - health and safety when using screen-based equipment
  - reporting and documentation
  - supervising the work team
  - using and allocating resources
  - using computers and software
- quality control measures and assessment criteria that can be applied to spatial products and services
- project management techniques for scheduling, measuring and monitoring work progress and planning for contingencies
- purpose and application of independent inspection, testing and auditing of the quality of spatial products and services
- reference and coordinate systems for surveying data, including Australian Height Datum and Map Grid of Australia

- purpose and use of metadata in relation to quality assessment of spatial products and services.

Assessment Conditions

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

- equipment:
  - as specified in the performance evidence
- specifications:
  - quality assessment specifications, including relevant data, plans and drawings
  - organisational policies, procedures and documentation relating to quality measures for spatial products and services
- relationships with team members and supervisor:
  - lead role in a team.

Timeframe:

- as specified by project 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