Assessment Requirements for CPPSIS5036 Integrate spatial datasets

Release: 1

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Modification History

Release 1.

Replaces superseded equivalent CPPSIS5036A Integrate spatial datasets.

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 integrate spatial datasets for the purpose of providing spatially referenced information for two different projects.

While integrating the above spatial datasets, the person must:

- select and use industry-accepted software applications to obtain spatial data, create datasets, and link attribute data
- comply with organisational requirements while:
  - communicating with clients and other appropriate persons
  - ensuring quality of datasets
  - recording data and completing documentation
  - working safely when using screen-based equipment
- comply with legal requirements relating to data privacy and information copyright when accessing and using spatial data
- devise and implement functional solutions to spatial datasets
- exercise precision when editing, processing, comparing, manipulating and archiving spatial data
- perform querying techniques to access attribute data and test and validate spatial data
- prepare exception reports to identify non-conforming data
- reference and link the location of attribute data
- translate spatial data into industry-accepted formats
- use approved methods for assessing accuracy and integrity of spatial data and resolving errors
- use filtering parameters, including attribute range accuracy and geographic location to establish accuracy and redundancy of data.

Knowledge Evidence

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

- data acquisition methods

- database querying techniques and languages
- key features of spatial data
- legal requirements for accessing and manipulating spatial data, including copyright
- methods for comparing and checking different spatial datasets
- organisational requirements relating to:
  - work health and safety
  - recording data
  - completing documentation
- principles of data acquisition, including photogrammetry, remote sensing, terrestrial survey and hydrography
- quality guidelines regarding the validity of spatial data
- software applications used to compute spatial datasets
- key features of spatial coordinate and reference systems
- spatial data formats and structures
- spatial database design tools
- key characteristics of spatial database operation
- spatial dataset integration methods, including role of scale in dataset integration.

Assessment Conditions

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

- equipment:
  - computer with software appropriate for integrating spatial datasets
- specifications:
  - organisational policies, procedures and legislation relating to:
    - work health and safety
    - data privacy and information copyright
- physical conditions:
  - access to equipped work station
- relationships with team members and supervisor:
  - working in a team.

Timeframe:

- as specified by task and organisational 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