Assessment Requirements for CPPSIS5043 Design spatial data storage systems

Release: 1

Assessment Requirements for CPPSIS5043 Design spatial data storage systems

Modification History

Release 1.

Replaces superseded equivalent CPPSIS5043A Design a spatial data storage system.

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 design spatial data storage systems for two different clients.

While designing the above spatial data storage systems, the person must:

- negotiate with end users regarding spatial data storage requirements and design
- plan the system design, including assessing available formats and storage requirements
- assess existing spatial data sources to determine their capacity to meet user storage requirements based on suitability, useability, dependencies and adaptability
- assess the feasibility of storage options based on organisational budget, resources and priorities
- comply with administrative and legal requirements for storing and retrieving spatial data, including data privacy and information copyright
- comply with organisational requirements for recording data, completing documentation, and using the equipment specified in the assessment conditions
- test design prototypes to confirm that they meet functional requirements
- obtain feedback from end users on final storage system.

Knowledge Evidence

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

- administrative and legal requirements for storing and retrieving digital and hard copy spatial data, including data privacy and information copyright
- data storage and retrieval methods
- organisational policies and procedures relating to:
  - accessing, recording and storing data
  - communicating with clients and end users
  - completing documentation
  - working within budget and resource constraints and priorities
- querying and browsing techniques for obtaining information from databases
- spatial data classification and indexing systems

- spatial data formats
- key features of spatial reference systems
- types of storage media for a range of spatial data, including Cloud technology.

Assessment Conditions

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

- equipment:
  - data retrieval equipment
  - computer with software appropriate for spatial data storage and retrieval
  - hard copy and digital data storage media
- specifications:
  - organisational policies and procedures 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