



Australian Government

CPPSSI4022 Store and retrieve spatial data

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 CPPSIS4022 Store and retrieve spatial data.

Application

This unit specifies the skills and knowledge required to store and retrieve spatial data. It includes storing, accessing and backing up data according to organisational procedures.

This unit is suitable for entry-level technicians who use a broad range of cognitive, technical and communication skills to select and apply a range of methods, tools, materials and information to complete routine and non-routine activities and provide solutions to a variety of predictable and sometimes unpredictable problems.

Surveying and spatial information skills are applied in a range of industry contexts including town planning, civil construction, mining, engineering, health, agriculture and defence.

All work must be carried out to comply with workplace procedures, in accordance with relevant state/territory regulations that govern surveying work, as well as work health and safety (WHS) legislation and regulations that apply to the workplace.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Nil.

Unit Sector

Surveying and Spatial Information Services

Elements and Performance Criteria

Elements describe the essential outcomes.

Performance criteria describe what needs to be done to demonstrate achievement of the element.

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| 1 | Prepare for spatial data storage. | 1.1 | Identify and clarify task requirements with appropriate persons. |
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| | 1.2 | Identify the file naming conventions of an existing spatial data catalogue. |
| | 1.3 | Select method of spatial data storage and distribution to enable access to current data and to comply with organisational requirements. |
| | 1.4 | Locate required spatial data according to organisational procedures. |
| 2 Access and retrieve spatial data. | 2.1 | Retrieve data to geographic information system (GIS) and convert into required format according to task requirements. |
| | 2.2 | Use attribute and spatial queries to select features from spatial data. |
| | 2.3 | Save data according to organisational requirements. |
| 3 Manage spatial data security. | 3.1 | Store data according to enterprise guidelines and administrative and legal requirements for storage and retrieval of spatial data, including data and information privacy and/or licensing. |
| | 3.2 | Apply data security and backup measures according to organisational risk management plan and procedures. |
| | 3.3 | Identify and report problems with data security, storage or retrieval according to organisational procedures. |

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Unit Mapping Information

Supersedes and is equivalent to CPPSIS4022 Store and retrieve 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>

Assessment Requirements for CPPSSI4022 Store and retrieve spatial data

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Performance Evidence

To demonstrate competency a candidate must meet the elements and performance criteria of this unit by storing and retrieving spatial data for two different projects.

Knowledge Evidence

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

- key features of geographic and projected spatial reference systems and Australian Height Datum
- methods for translating data between global navigation satellite system (GNSS), geographic information system (GIS) and other relevant software application
- spatial data querying techniques
- data risk management strategies.

Assessment Conditions

Assessors must satisfy 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:

- computer with software appropriate for spatial data storage and retrieval
- digital data storage media
- organisational procedures and documentation relating to work health and safety (WHS), data and information privacy and/or licensing.

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