Draft 0.2
This is a draft update to CPPSIS4024 Source and assess spatial data:
https://training.gov.au/Training/Details/CPPSIS4024.

Code changed CPPSIS4024 to CPPSSI4024

Element 2 reworded using phrase from foundation skills.
Changed PCs to active voice.
Minor changes to PCs to improve, clarify or provide context.

Changed 'person' to 'candidate' in PE.
Range of Conditions added to Knowledge Evidence.

Modification history

Release	Comments
~~1~~	~~Replaces superseded equivalent CPPSIS4024A Collect and set out spatial data.~~ ~~This version first released with CPP Property Services Training Package Version 3.~~
	Replaces superseded equivalent CPPSIS4024

Application

This unit specifies the skills and knowledge required to source spatial data from a range of media and datasets and assess its availability and suitability for use in meeting client requirements. It involves researching and assessing data suppliers and information, such as metadata and attributes. The unit also covers manipulating and presenting spatial data.

This unit is suitable for entry level technicians who will 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 and transmit 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, regulations and legislation that apply to the workplace.

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

Prerequisite Unit

None

Unit Sector

Surveying and Spatial Information Services

Elements and Performance Criteria

1. Source spatial data.	1.1 Clarify spatial data task requirements including extent, content, intended use, accuracy, precision and format in consultation with appropriate persons.
	1.2 Search internal and external data sources to identify potential datasets to meet task requirements.
	1.3 Verify availability of suitable data with suppliers, taking into account copyright and ownership constraints.
	1.4 Obtain metadata and datasets from the most appropriate data source according to task requirements.
2. Evaluate the suitability of potential datasets.	2.1 Interpret and compare data version information.
	2.2 Interpret geometry and attribute information from datasets and metadata

	2.3 Query datasets to confirm they contain the required information to meet task requirements
	2.4 Identify constraints of selected datasets to meet task requirements.
	2.5 Implement contingency measures where there are constraints on the use of spatial data.
3. Prepare data for task.	3.1 Transform data into the correct spatial reference system and data format to meet task requirements.
	3.2 Prepare clear and accurate data suitability report to meet task requirements.
	3.3 Use appropriate file structure to store datasets and complete required documentation.

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 CPPSIS4024 Source and assess spatial data

Links

The Companion Volume Implementation Guide for the CPP Property Services Training Package is available at https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=6f3f9672-30e8-4835-b348-205dfcf13d9b

Assessment Requirements for CPPSSI4024 Source and assess spatial data

Modification history

Release	Comments
~~1~~	~~Replaces superseded equivalent CPPSIS4024A Collect and set out spatial data.~~ ~~This version first released with CPP Property Services Training Package Version 3.~~
	Replaces superseded equivalent CPPSIS4024

Performance Evidence

To demonstrate competency, a candidate must meet the elements and performance criteria of this unit by sourcing and assessing the availability and suitability of spatial data for two different projects.

For each project the candidate must document:

- data availability, including cost, licensing conditions, and constraints on use
- suitability of available data in meeting requirements for accuracy, completeness, coverage, density, logical consistency and specifications.

Knowledge Evidence

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

- key features of spatial reference systems
- potential sources of spatial data and datasets
- spatial data formats
- spatial data query and selection methods
- common metadata fields relating to accuracy, currency, extent, availability and precision requirements
- methods for assessing the availability and suitability of spatial data
- range of basic spatial data capture methodologies
- requirements to comply with data license agreements, ownership and copyright.

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:

- computer with software appropriate for spatial data manipulation and set-out
- printer
- enterprise procedures relating to data privacy, information copyright and licensing.

Links

The Companion Volume .Implementation Guide for the CPP Property Services Training Package is available at https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=6f3f9672-30e8-4835-b348-205dfcf13d9b