Draft 0.2
This is a draft update to CPPSIS5040 Interpret and collate spatial data:
https://training.gov.au/Training/Details/CPPSIS5040.

Code changed to CPPSSI5040.
Title changed to reflect unit intent. Source, collate and interpret spatial data.

Changed PCs to active voice.
PC1.1 client and constraints removed based on feedback
PC 1.2 inserted from Performance Evidence
Renamed and reordered Elements

Unit of Competency

CPPSSI5040 Source, collate and interpret spatial data

Modification history

Release	Comments
~~1~~	~~Replaces superseded equivalent CPPSIS5040A Collate and interpret spatial data.~~ ~~This version first released with CPP Property Services Training Package Version 3.~~
	Replaces superseded equivalent CPPSIS5040 Interpret and collate spatial data

Application

This unit specifies the skills and knowledge required to interpret and collate spatial data to meet task requirements. The unit covers accessing, querying and interpreting spatial data from various sources to test and determine its relevance and compatibility with task requirements. It also covers the use of geographic information system (GIS) software.

This unit is suitable for skilled surveying technicians and skilled spatial information system (SIS) technicians who use a broad range of cognitive, technical and communication skills to select and apply methods and technologies to analyse information and provide solutions to sometimes complex surveying/spatial information 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, regulatory, or certification requirements apply to this unit of competency 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 requirements for task in consultation with appropriate persons. 1.2 Comply with legal and enterprise requirements for accessing and manipulating spatial data according to data privacy, information copyright and licensing. 1.3 Retrieve spatial datasets from data storage and other relevant sources according to task and enterprise requirements.
2. Collate spatial data.	2.1 Select appropriate format and data storage option for spatial data according to task and enterprise requirements. 2.2 Translate data into appropriate format for storage and collate to meet project requirements.

3. Interpret spatial data.	3.1 Verify data for integrity and relevance according to task requirements.
	3.2 Query data using software application according to task requirements.
	3.3 Seek and analyse feedback to identify improvements and adjust to meet task requirements.
	3.4 Identify and resolve irregularities in the data using industry accepted methods.
4. Document and present results.	4.1 Record the results of the querying process to meet task requirements.
	4.2 Present the spatial data in a map or summary table.
	4.3 Store spatial data and complete documentation according to enterprise requirements.

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 CPPSIS5040 Interpret and collate 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 CPPSSI5040 Source, collate and interpret spatial data

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Performance Evidence

To demonstrate competency, a candidate must meet the elements and performance criteria of this unit by interpreting and collating spatial data that meets task requirements for two different projects. Each project must:

- source data from different suppliers
- focus on a different theme such as social, economic, health or environmental
- document and present the summarised data to meet the task requirements.

Knowledge Evidence

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

- industry-accepted sources of spatial data
- key features of coordinate reference systems
- industry-accepted standards and methods for assessing, verifying spatial datasets and dataset sources
- legal requirements for accessing, storing and archiving digital spatial data, including data privacy, information copyright and licensing
- purpose and use of metadata
- types of spatial data storage technologies
- techniques for querying databases.

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 appropriate software.

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