



Australian Government

CPPSSI4038 Prepare and present GIS 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 CPPSIS4038 Prepare and present GIS data.

Application

This unit specifies the skills and knowledge required to prepare and present a range of geographic information system (GIS) data using various media. It includes translating client requirements into appropriate data formats and design and layout. The unit also includes gathering feedback as the basis for implementing quality improvements.

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 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 (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.

1 Plan for GIS data

1.1 Identify intended use of output and presentation

presentation.		requirements in consultation with appropriate persons.
	1.2	Assess format, content and extent of data against task and organisational requirements.
	1.3	Access and compile spatial datasets from appropriate sources to meet presentation specifications.
	1.4	Comply with administrative and legislative requirements for accessing and displaying spatial data, including data privacy, copyright and licensing.
	1.5	Comply with organisational requirements for WHS when using screen-based equipment.
2 Prepare GIS data for presentation.	2.1	Interpret metadata statements for compliance with licensing.
	2.2	Query spatial data and select data for display to meet presentation requirements.
	2.3	Check formatted data and resolve problems of data compatibility and quality according to display specifications.
	2.4	Identify display file format to meet task specifications.
3 Finalise GIS data presentation.	3.1	Present spatial data according to task, client requirements and organisational requirements.
	3.2	Obtain feedback on display from appropriate persons.
	3.3	Analyse feedback to identify improvements and adjust display to meet task and organisational requirements.
	3.4	Document improvements applied to presentation design.
	3.5	Complete documentation in accordance with organisational 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 CPPSIS4038 Prepare and present GIS 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 CPPSSI4038 Prepare and present GIS data

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Performance Evidence

To demonstrate competency a candidate must meet the elements and performance criteria of this unit by preparing and presenting geographic information system (GIS) data for two different projects.

Each project must incorporate:

- the built or natural environment
- two different data sets
- both vector and raster data
- map with standard symbology, presentation and metadata.

Knowledge Evidence

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

- administrative and legislative requirements for accessing and presenting digital and hard copy GIS data, including data privacy, copyright and licensing
- sources of GIS data
- GIS data file formats
- Australia New Zealand Land Information Council (ANZLIC) metadata fields relating to accuracy, currency, extent, availability and datasets
- components of map design principles
- organisational requirements for preparing and displaying GIS data.

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 and suitable software
- high resolution hardware, including plotter or printer and computer screen.

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