



Australian Government

Assessment Requirements for CPPSIS4039

Design and produce maps

Release: 1

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Modification History

Release 1.

New unit of competency.

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 and produce two different types of maps for use in surveying and spatial information services applications.

While designing and producing the above maps, the person must:

- carry out geoprocessing on several vector datasets with attributes from sourced data in order to produce the data that comprises map content
- communicate clearly with others to clarify project requirements and required map design and detail
- comply with organisational requirements relating to:
 - records and documentation
 - health and safety when working on screen-based equipment
 - quality assurance
- exercise precision and accuracy relating to map design and layout
- incorporate appropriate marginal information, including data sources, georeferencing system, map graticule, legend and scale
- incorporate raster data
- insert content into the map frame data that shows the application of cartographic principles
- use equipment, including a computer, printer and mapping software required to produce maps.

Knowledge Evidence

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

- cartographic and infographic design principles and conventions
- common scales used on maps
- key features of spatial reference systems
- procedures for applying datums and projections to map making
- main types of geoprocessing functions in mapping software
- map features and how they are represented

- organisational procedures for map production, reporting and equipment use
- typical characteristics and content of different types of maps, as listed in the range of conditions.

Assessment Conditions

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

- equipment:
 - computer, printer and required mapping software
- specifications:
 - project and design 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
- relationships with client:
 - client consultation required.

Timeframe:

- as specified by project 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>