CPPSIS3021 Visually interpret image data

Release: 1

CPPSIS3021 Visually interpret image data

Modification History

Release 1.

New unit of competency.

This version first released with CPP Property Services Training Package Version 3.

Application

This unit of competency specifies the outcomes required to visually interpret image data to identify the basic features of the landscape, including land cover such as vegetation, roads, railways, buildings, water bodies and terrain forms. Image data can include aerial and terrestrial photographs and satellite images. The images can be digital or in hard copy. Mapping or other appropriate software can be used to assist visual interpretation if it is available. The unit requires the ability to apply the principles and methods of visual image interpretation. This unit is restricted to visual interpretation, as digital enhancement of images is covered in CPPSIS4026 Digitally enhance and process image data.

The unit supports those who work under direct supervision in a surveying and spatial information services team, in positions that support mapping, geographic information systems (GIS) and town planning.

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

Pre-requisite Unit

Nil

Unit Sector

Surveying and spatial information services

Elements and Performance Criteria

Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold italicised text is used, further information is detailed in the range of conditions.	
1. Identify image and ancillary data.	1.1.	Task requirements are clarified with ***appropriate persons***.
	1.2.	Possible sources of image data are identified to meet task requirements.

	1.3.	Constraints in using different types of image data are clarified in discussion with appropriate persons.
	1.4.	Ancillary data that can be used to assist visual interpretation of image is identified and obtained.
2. Identify and record basic landscape features.	2.1.	Image data is visually interpreted using interpretation principles and ancillary data, and features are identified and recorded according to task and organisational requirements.
	2.2.	Interpreted results are discussed and confirmed with appropriate persons.
	2.3.	Ground control targets for photogrammetric mapping are checked to enhance understanding of image data.
	2.4.	Scale is determined according to organisational requirements.
	2.5.	Data is stored and documents are completed according to organisational requirements.

Foundation Skills

This section describes the language, literacy, numeracy and employment skills essential to performance in this unit but not explicit in the performance criteria.

Skill	Performance feature
Numeracy skills to:	• measure and calculate scale objects from an image and ancillary data.
Oral communication skills to:	• ask questions to clarify work tasks.
Reading skills to:	• interpret graphical information, including shapes and patterns within aerial and terrestrial photographs and satellite images.
Writing skills to:	• record details of image features using standard proformas.

| Technology skills to: | • | use simple analogue and digital tools to assist with visual interpretation. |

Range of Conditions

This section specifies work environments and conditions that may affect performance. Essential operating conditions that may be present (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) are included. Bold italicised wording, if used in the performance criteria, is detailed below.

| ***Appropriate persons*** must include at least one of the following: | • | experienced colleague |
| | • | supervisor or line manager. |

Unit Mapping Information

No equivalent unit.

Links

Companion Volume implementation guides are found in VETNet - https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=6f3f9672-30e8-4835-b348-205dfcf13d9b

Artibus Innovation