

**Draft 0.2**

This is a draft update to CPPSIS3021 Visually interpret image data  
<https://training.gov.au/Training/Details/CPPSIS3021>.

Code changed to CPPSSI3021.

Changed PCs to active voice.

Minor changes to PCs to improve, clarify or provide context.

PC2.3 Check ground control targets for photogrammetric mapping to enhance understanding of image data. Removed in response to feedback 'ground control target and photogrammetry are outside the realm of the rest of the task'.

Changed 'person' to 'candidate' in PE.

Range of Conditions added to Knowledge Evidence.

Mapping information added.

TAG will need to reassess this as unit is redeveloped.

## Unit of Competency

### CPPSI3021 Visually interpret image data

#### Modification history

Release	Comments
1	<del>New unit of competency.</del> <del>This version first released with CPP Property Services Training Package Version 3.</del>
	Replaces superseded equivalent CPPSIS3021

#### Application

This unit specifies the skills and knowledge required to visually interpret image data to identify the basic features of the landscape, including land cover such as vegetation, roads, railways, buildings, bodies of water and terrain forms. Image data may be digital or in hard copy and may include aerial and terrestrial photographs and satellite images.

This unit is suitable for surveying or spatial information services assistants working under supervision. They will use cognitive, technical and communication skills to select and apply a range of methods, tools, materials and information to complete routine activities and provide solutions to predictable and sometimes unpredictable problems.

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.

Cadastral surveying must be undertaken under the supervision of a registered surveyor. Users must check with the relevant regulatory state/territory authority before delivery.

No licensing, legislative, regulatory, 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. Identify image and ancillary data.	1.1 Confirm enterprise requirements for accessing and formatting image data. 1.2 Select appropriate software to assist visual interpretation. 1.3 Clarify task and image data requirements to be accessed and interpreted. 1.4 Identify and report constraints in using different types of image data. 1.5 Determine suitability of images provided to meet task requirements. 1.6 Select ancillary data that can be used to assist visual interpretation of image.
2. Identify basic landscape features.	2.1 Use simple analogue and digital tools to assist with visual interpretation.

	2.2 Interpret image data using principles of interpretation and ancillary data to identify natural and artificial landscape features. 2.3 Calculate scale and measure objects from an image and ancillary data.
3. Document basic landscape features.	3.1 Record details of image features using standard proformas and according to task and enterprise requirements. 3.2 Present interpreted results to appropriate persons. 3.3 Store data according to data privacy, licensing and 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 CPPSIS3021 Visually interpret image 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 CPPSSI3021 Visually interpret image data

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### Performance Evidence

To demonstrate competency a candidate must meet the elements and performance criteria of this unit by visually identifying three instances of the following from both an aerial and terrestrial photograph or image:

- buildings
- rail lines
- roads
- topography
- different landforms
- vegetation
- bodies of water.

### Knowledge Evidence

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

- types of image data used in spatial applications
- properties of image data and types of ancillary data
- principles and methods of visual image interpretation
- basic formulas used to calculate scale relating to data images
- landscape features that can be identified from image data
- enterprise policies and procedures relating to:
  - accessing and formatting image data
  - data privacy and licensing.

### 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:

- documentation relating to data privacy and licensing
- suitable imagery data.

### Links

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