



**Australian Government**

# **CPPSIS4032 Conduct field surveying operations**

**Release: 1**

# CPPSIS4032 Conduct field surveying operations

## Modification History

Release 1.

Replaces superseded equivalent CPPSIS4032A Plan and conduct survey expeditions.

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

## Application

This unit of competency specifies the outcomes required to plan and conduct field surveying operations, which may include working in isolated or remote areas. The unit covers planning and preparing operations to ensure adequate equipment and supplies and to meet work health and safety requirements. The unit also requires completing documentation and cleaning, checking, maintaining and storing equipment after the field operation is completed. The unit requires knowledge of emergency procedures.

The unit supports those who work in support positions in a surveying team.

Licensing, legislative, regulatory or certification requirements concerning the use of vehicles apply to this unit in most States. Relevant state and territory regulatory authorities should be consulted to confirm those requirements.

## 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. Plan field surveying operation. | 1.1. Field surveying objectives, principal work activities and site location are identified in consultation with <b><i>appropriate persons</i></b> . |
|                                    | 1.2. Logistical considerations are planned according to location, duration and size of field trip, and resupply requirements.                        |
|                                    | 1.3. Maps, photographs and other available data are used in  |

- planning activities.
- 1.4. Equipment and supplies are selected and prepared according to field surveying objectives, and health and safety requirements.
2. Carry out field surveying activities.
    - 2.1. Vehicles are prepared and equipment and supplies loaded and secured according to organisational requirements.
    - 2.2. Surveying field site is located, prepared and maintained according to organisational requirements.
    - 2.3. Surveying activities are conducted according to operation objectives and timeframes, and health and safety requirements.
    - 2.4. Contingency procedures are implemented in the event of emergencies and unforeseen hazards according to organisational requirements.
    - 2.5. Environmental impact from field activities is minimised and waste disposed of according to organisational requirements.
  3. Finalise field surveying operation.
    - 3.1. Equipment is unloaded, cleaned and stored according to organisational requirements.
    - 3.2. Equipment is checked and necessary repairs organised and reported according to organisational requirements.
    - 3.3. Required documentation is 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

Planning and organising skills to:

### Performance feature

- prioritise work activities to meet field operation timeframes.

- Numeracy skills to:
- calculate supply requirements relative to location, duration and size of field operation.
- Oral communication skills to:
- ask questions to elicit details of field surveying requirements
  - relay accurate information to emergency services personnel.
- Reading skills to:
- interpret graphical information in maps and photographs.
- Writing skills to:
- complete planning documents and proformas.

## 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
  - qualified surveyor
  - supervisor or line manager.

## Unit Mapping Information

CPPSIS4032A Plan and conduct survey expeditions

## Links

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