

Draft 0.1

This is a draft update to CPPSIS4032 Conduct field surveying operations:

<https://training.gov.au/Training/Details/CPPSIS4032>.

Code changed to CPPSUR4032.

Changed PCs to active voice.

Changed 'person' to 'candidate' in PE

Range of Conditions added to Knowledge Evidence.

I've added mapping info.

TAG will need to reassess this as unit is redeveloped.

Unit of Competency

CPPSUR4032 Conduct field surveying operations

Modification history

Release	Comments
1	Replaces superseded equivalent CPPSIS4032A Plan and conduct survey expeditions. This version first released with CPP Property Services Training Package Version 3.
	Replaces superseded equivalent CPPSIS4032 Conduct field surveying operations

Application

This unit specifies the skills and knowledge 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.

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

Prerequisite Unit

None

Unit Sector

Surveying and spatial information services

Elements and Performance Criteria

1. Plan field surveying operation.	<ul style="list-style-type: none">1.1 Identify field surveying objectives, principal work activities and site location in consultation with appropriate persons.1.2 Plan logistical considerations according to location, duration and size of field trip, and resupply requirements.1.3 Use maps, photographs and other available data in planning activities.1.4 Select and prepare equipment and supplies according to field surveying objectives, and health and safety requirements.
2. Carry out field surveying activities.	<ul style="list-style-type: none">2.1 Prepare vehicles and equipment and load and secure supplies according to organisational requirements.2.2 Locate, prepare and maintain surveying field site, according to organisational requirements.2.3 Conduct surveying activities according to operation objectives and timeframes, and health and safety requirements.2.4 Implement contingency procedures in the event of emergencies and unforeseen hazards according to organisational requirements.

	2.5 Minimise environmental impact from field activities is minimised and dispose of waste according to organisational requirements.
3. Finalise field surveying operation.	3.1 Unload, clean and store equipment according to organisational requirements. 3.2 Check equipment and organise and report necessary repairs according to organisational requirements. 3.3 Complete required documentation according to organisational requirements.

Foundation Skills

Candidates require:

- planning and organising skills to:
 - 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.

Unit Mapping Information

Supersedes and is equivalent to CPPSIS4032 Conduct field surveying operations

Links

Companion Volume Implementation Guide:

<https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=6f3f9672-30e8-4835-b348-205dfcf13d9b>

Assessment Requirements for CPPSUR4032 Conduct field surveying operations

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Performance Evidence

To demonstrate competency, a candidate must meet the performance criteria of this unit by:

- planning two field surveying operations
- carrying out field service tasks during one of the above planned operations.

While planning and conducting the above field surveying operations, the candidate must:

- assess field operation objectives to identify equipment and supply requirements
- comply with health and safety requirements when carrying out field service tasks by:
 - following procedures in the event of an emergency
 - identifying potential hazards and applying risk management strategies
 - inspecting equipment to ensure it is in safe working order
- comply with legislation and regulations when disposing of waste, and if using vehicles
- comply with organisational requirements when using and storing equipment and resources, and completing records and documentation
- monitor surveying activities to ensure planned schedules and objectives are met
- plan for logistical considerations to:
 - allow for contingencies in the event of adverse weather conditions and emergencies
 - arrange an appropriate method of communication and transport to and from the site
 - arrange appropriate amounts of equipment and supplies
 - locate an appropriate field site
- select and use the tools and equipment specified in the assessment conditions, to conduct field operation activities.

Knowledge Evidence

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

- emergency procedures, particularly survival procedures when working in remote and isolated areas
- methods of communication in an emergency situation, including procedures for using distress beacons
- organisational procedures for using equipment and instruments when carrying out surveying field service tasks
- procedures for communicating with emergency services personnel
- procedures for minimising the impact on the environment from field work activities
- requirements for survival kits
- project management techniques and their application to field surveying work
- appropriate persons must include at least one of the following:
 - experienced colleague

- qualified surveyor
- supervisor or line manager.

Assessment Conditions

Assessors must meet the requirements for assessors contained in the Standards for Registered Training Organisations.

Assessment must be conducted in the workplace or a simulated workplace using realistic conditions, materials, activities, responsibilities, procedures, safety requirements and environmental considerations.

Candidates must have access to:

- equipment:
 - communications equipment appropriate to field site location
 - emergency and personal protective equipment (PPE) appropriate to the operation
 - surveying equipment and instruments, including scanning total station
 - vehicle
- specifications:
 - maps and other spatial and navigational data appropriate to field trip
 - organisational policies and procedures relating to:
 - work health and safety
 - protecting the environment
 - surveying data specifications
- relationships with team members and supervisor:
 - working in a team.

Links

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