Draft 0.2
This is a draft update to CPPSIS3015 Collect basic surveying data:
https://training.gov.au/Training/Details/CPPSIS3015

Changed code to CPPSSI3015 to comply with NSSC endorsement policy.

Deleted: 'with accuracy of one centimetre or better' in third sentence of the Application.

Changed PCs to active voice.

Changed 'person' to 'candidate' in PE.

Added some terminology to Assessment Requirements.

'appropriate persons' moved from Range to KE

Added following text to Foundation Skills:
'This section describes language, literacy, numeracy and employment skills explicit in the performance criteria that are required for competent performance.'

Unit of Competency

CPPSSI3015 Collect basic surveying data

Modification history

Release	Comments

Application

This unit specifies the skills and knowledge required to collect basic surveying data using measurements taken in the field. Basic surveying data refers to measurements of distances, angles and height.

The unit involves operating equipment to take basic surveying measurements, and performing required data computations and reductions to establish accurate data before leaving the field.

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 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. Prepare for data collection.	1.1 Clarify data collection requirements for basic surveying tasks with appropriate persons. 1.2 Identify enterprise, legislative and manufacturer requirements for safe data collection. 1.3 Select equipment and collection method to meet task requirements in consultation with appropriate persons. 1.4 Implement safe work practices and use of personal protective equipment (PPE) to mitigate identified hazards and risks in accordance with enterprise requirements.
2. Carry out basic data collection.	2.1 Set up and use selected equipment, according to manufacturer specifications and standard operating procedures to collect basic surveying data to meet task requirements. 2.2 Comply with relevant safe work method statements (SWMS) during data collection.

3	2.3 Collect measurements and data accurately using enterprise procedures and proformas. 2.4 Determine position for survey station, perform and record a traverse, and collect designated attributes for designated features. 2.5 Record, calculate, reduce and check measurements before leaving site, according to enterprise requirements.
3. Finalise data collection.	3.1 Complete documentation and store data, according to enterprise requirements. 3.2 Clean, pack and store equipment, according to manufacturer and enterprise requirements. 3.3 Report any equipment faults or operational problems according to 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 CPPSIS3015 Collect basic surveying 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 CPPSSI3015 Collect basic surveying data

Modification history

Release	Comments

Performance Evidence

To demonstrate competency a candidate must meet the elements and performance criteria of this unit by accurately recording basic surveying data for two field projects.

Each field project must cover:

- closed traverse
- detail survey
- contour survey
- closed level run.

Each project must include use of at least two of the following:

- measuring tape
- automatic, digital or laser level
- global navigation satellite system (GNSS)
- ground penetrating radar
- Total Station
- terrestrial laser scanner
- survey drone or unmanned aerial vehicle (UAV).

Knowledge Evidence

To be competent in this unit a candidate must demonstrate knowledge of:
- uses and features of data collection equipment
- care of data collection equipment
- factors affecting equipment use and accuracy of data
- attributes associated with a dataset
- accepted industry standards for recording surveying metadata
- enterprise and industry procedures relating to collecting, recording and storing surveying data
- enterprise and industry procedures relating to work tasks including equipment use
- work health and safety procedures relating to data collection activities.

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:
- surveying data collection equipment
- documentation relating to data collection tasks.

Links

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