



Australian Government

CPPSIS6025 Apply quality control measures to spatial products and services

Release: 1

CPPSIS6025 Apply quality control measures to spatial products and services

Modification History

Release 1.

Replaces superseded equivalent CPPSIS6025A Apply quality control measures to spatial information services industry.

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

Application

This unit of competency specifies the outcomes required to design and implement quality control measures to assess the quality of spatial products and services. The unit covers analysing specifications and information to plan and design quality control standards and assessment criteria, and implementing quality control processes to assess sample products and services. Assessing quality includes analysing data; and identifying, isolating and rectifying faults. The unit also covers conducting independent inspection, tests and audits, and facilitating work groups to identify and resolve quality variances. It includes implementing procedures to monitor and maintain quality processes, and preparing quality assessment reports. The unit requires the ability to design computations and conduct error analysis using a computer and software.

The unit supports those who manage quality processes and staff in a surveying or spatial information services team, in areas such as surveying, cartography, town planning, mapping and geographic information systems (GIS).

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. Prepare to assess
 - 1.1. **Spatial product or service to be assessed and project**

- the quality of spatial product or service.
- 1.2. Quality control processes are identified and used to assess sample products or services in consultation with *appropriate persons*.
- 1.3. Information on identified risks, contingencies, resources, technologies and techniques is analysed and incorporated into quality control process.
- 1.4. Pertinent legal and statutory standards and legislative requirements are incorporated into quality control process.
2. Assess quality of spatial product or service.
- 2.1. Product or service is examined and assessed against assessment criteria and quality control measures.
- 2.2. Existing information and spatial data are checked to identify appropriate quality control measures.
- 2.3. Data is analysed and relevant information is used to identify variations and verify its reliability according to quality control measures.
- 2.4. Work groups are facilitated to assist in identifying and resolving quality variances according to organisational requirements.
- 2.5. Computations are designed to conduct error analysis, and faults are isolated and rectified or contingencies managed according to quality control measures.
- 2.6. Independent inspection, tests and audits are conducted according to organisational requirements.
3. Monitor quality control process.
- 3.1. Quality improvement is monitored and maintained according to organisational requirements.
- 3.2. Quality awareness is promoted among immediate work team according to organisational requirements.
- 3.3. Quality assessment records and reports are completed and spatial data archived 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
Planning and organising skills to:	<ul style="list-style-type: none">• prioritise work to meet agreed timeframes.
Numeracy skills to:	<ul style="list-style-type: none">• analyse statistics to identify errors• apply cost considerations when planning quality control process.
Oral communication skills to:	<ul style="list-style-type: none">• ask questions to gather information about products and services• reiterate quality awareness with members of work team.
Reading skills to:	<ul style="list-style-type: none">• compare technical information in assessment criteria and spatial products.
Writing skills to:	<ul style="list-style-type: none">• prepare technical reports.
Technology skills to:	<ul style="list-style-type: none">• connect equipment to coordinate systems• set up and calibrate specialised surveying equipment.
Problem-solving skills to:	<ul style="list-style-type: none">• select appropriate validation methods to verify reliability of data.

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 two of the following:
- client
 - colleague
 - end user
 - engineer
 - manager
 - registered or qualified surveyor
 - site personnel
 - supplier.

Unit Mapping Information

CPPSIS6025A Apply quality control measures to spatial information services industry

Links

Companion Volume implementation guides are found in VETNet -

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