

ASTSPM3O06

Collect, analyse and present measured survey data within a surveying environment



Overview

The Standards that are part of this Unit

SPM3/O06.1 Contribute to the preparation of survey operations

SPM3/O06.2 Assist in undertaking and presenting measured surveys

This unit is about being on site, collecting measured data and then compiling the information into a useable format.

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Performance criteria

Contribute to the preparation of survey operations

You must be able to:

- P1 confirming the objectives and **purpose of the survey**
- P2 confirming with the people who will be affected that the **survey method** statement is accurate before starting the work
- P3 checking and confirming, before starting work, that all necessary **arrangements** have been made
- P4 arranging for relevant **equipment**, and enough spares for on-site maintenance, to be brought to the site and kept safely and securely
- P5 checking and adjusting **equipment** so that it is accurate

Assist in undertaking and presenting measured surveys

You must be able to:

- P6 taking accurate observations and measurements using valid methods and **equipment** to meet appropriate datum requirements
- P7 adapting work procedures and practices to allow for different **circumstances and conditions**
- P8 recording **survey** data clearly and accurately and storing it securely for later analysis
- P9 restoring areas which have been opened for access so that subsequent processes can take place
- P10 assisting in assembling and collecting **survey** data to allow an accurate analysis to be made
- P11 assisting in checking and verifying the **survey** data to maintain accuracy and integrity
- P12 **presenting** the data analysis, the commentary and any support information accurately, clearly and in a suitable format for use

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Knowledge and understanding

You need to know and understand:

Contribute to the preparation of survey operations

- K1 how do you confirm the objectives and **purpose of the survey**? (application) (a) [1]
- K2 how do you confirm with the people who will be affected, that the **survey method** statement is accurate before starting the work? (application) (b) [2]
- K3 how do you check and confirm, before starting work that all necessary **arrangements** have been made? (application) (c) [3]
- K4 how do you arrange for relevant **equipment**, and enough spares for on-site maintenance, to be brought to the site and kept safely and securely? (application)(d)[4]
- K5 how do you check and adjust **equipment**? (application) (e) [4]

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You need to know and understand:

- K6 how do you take accurate observations and measurements to meet appropriate datum requirements? (application) (a) [1,2,3]
- K7 how do you adapt work procedures and practices to allow for different **circumstances and conditions**? (application) (b) [2]
- K8 how do you record and store **survey** data? (application) (c) [1,2,3]
- K9 how do you restore areas which have been opened for access so that subsequent processes can take place? (application) (d) [3]
- K10 how do you assist in assembling and collecting **survey** data to allow an accurate analysis to be made? (application) (e)[3]
- K11 how do you assist with the checking and verification to maintain **survey** data accuracy and integrity? (application) (f) [3]
- K12 how do you **present** the data analysis, the commentary and any support information accurately, clearly and in a suitable format? (application) (g) [4]

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Additional Information

Scope/range related to performance criteria

Contribute to the preparation of survey operations

- 1 **Purpose of the survey:**
 - 1.1 land
 - 1.2 building
- 2 **Survey - method:**
 - 2.1 visual inspection
 - 2.2 measurement
- 3 **Arrangements:**
 - 3.1 permissions
 - 3.2 access
 - 3.3 personal health & safety
 - 3.4 security
- 4 **Equipment:**
 - 4.1 mechanical
 - 4.2 optical
 - 4.3 electronic

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- 5 **Equipment:**
 - 5.1 mechanical
 - 5.2 optical
 - 5.3 electronic
- 6 **Circumstances and conditions:**
 - 6.1 situational
 - 6.2 operational
 - 6.3 unforeseen
- 7 **Survey type:**
 - 7.1 land
 - 7.2 building
- 8 **Presenting:**
 - 8.1 orally
 - 8.2 in writing
 - 8.3 electronically

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Suite Surveying, Property Maintenance 2010

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