

COSTPCBCB32.2-B32.3

Analyse and present measured survey information in conservation and building control



Overview

This unit is concerned with carrying-out, recording, analysing and presenting the results of a measured survey. The survey could be undertaken for any kind of building, land or for the wider environment using measuring equipment. It also requires the ability to advise, on appropriate techniques and levels of recording required for historic buildings and sites affected by development proposals. You will need to be able to undertake a measured survey with the required level of accuracy, and record the results. You will need to be able to analyse and verify survey data and present this information to stakeholders in an appropriate format.

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Performance criteria

Observe and record measurements

- You must be able to:*
- P1 conduct the **survey** in a way which maintains the level of accuracy required, balances content and cost and keeps disruption to a minimum
 - P2 conform to **safe working practices**
 - P3 consult with experts when specialist information is needed which is relevant to the **survey**
 - P4 adapt work procedures and practices to allow for different **circumstances and conditions**
 - P5 obtain and record **survey** data clearly and accurately and store it securely for later analysis
 - P6 keep a clear and accurate record of the time spent on the **survey** and of any problems that come up which may affect cost or accuracy
 - P7 ensure that the **survey** equipment is operated, maintained, transported and stored in accordance with the manufacturer's recommendations and safe working practices

Analyse and present survey information

- You must be able to:*
- P8 collect together sufficient **survey information** to allow an accurate analysis to be made
 - P9 check and verify the **survey information** to maintain accuracy and integrity
 - P10 analyse the **survey information** accurately
 - P11 **present** the **survey information**, the commentary and any support information accurately, clearly and in a format which is suitable for those who need to use it
 - P12 advise people who will be using the **survey information** on how to interpret it

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Knowledge and understanding

Observe and record measurements

You need to know and understand:

- K1 how to conduct the **survey** (application)
- K2 how to consult with experts when specialist information is needed which is relevant to the **survey** (application)
- K3 how to obtain, record and store **survey** data (application)
- K4 how to keep a clear and accurate record of the time spent on the **survey** and of any problems that come up which may affect cost or accuracy (application)
- K5 how to conform to **safe working practices** (application)
- K6 how to adapt work procedures and practices to allow for different **circumstances and conditions** (application)
- K7 how to ensure that the **survey** equipment is operated, maintained and stored in accordance with the manufacturer's recommendations and safe working practices (application)

Analyse and present survey information

You need to know and understand:

- K8 how to collect together sufficient **survey information** to allow an accurate analysis to be made (application)
- K9 how to check and verify the **survey information** to maintain accuracy and integrity (application)
- K10 how and why to analyse the **survey information** accurately (analysis)
- K11 how and why to advise people who will be using the **survey information** on how to interpret it (synthesis)
- K12 how to **present** the **survey information**, the commentary and any support information accurately, clearly and in a format which is suitable for those who need to use it (application)

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Scope/Range

Observe and record measurements

- 1 Survey:**
 - 1.1 visual
 - 1.2 approximate measurement
 - 1.3 detailed measurement
 - 1.4 graphical
 - 1.5 instrumental
- 2 Safe working practices:**
 - 2.1 personal safety
 - 2.2 equipment and clothing
 - 2.3 safe use of access equipment
 - 2.4 health and safety practice and regulations
 - 2.5 industry codes of practice
 - 2.6 regulations applying to the survey site
 - 2.7 signage
 - 2.8 site access & working area
- 3 Circumstances and conditions:**
 - 3.1 water
 - 3.2 obstacles
 - 3.3 climatic variation
 - 3.4 live conditions
 - 3.5 unforeseen circumstances
 - 3.6 planned circumstances
 - 3.7 emergency circumstances

Analyse and present survey information

- 4 Survey information:**
 - 4.1 land
 - 4.2 building
 - 4.3 marine
 - 4.4 traffic
 - 4.5 environmental
- 5 Present:**
 - 5.1 orally
 - 5.2 in writing
 - 5.3 graphically
 - 5.4 digitally
 - 5.5 using physical models

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Relevant occupations Town planners; chartered surveyors (not quantity surveyors); building inspectors; construction project manager and related professions

Suite Town Planning, Conservation and Building Control

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