
Overview

This standard is about monitoring and recording tests, ensuring that accuracy is maintained, equipment is calibrated, samples are statistically sound and communicating the relevant data to those who require it

This standard is for people working in the occupational area of site inspection and can be used by technicians, supervisors and managers

Monitor and record tests

Performance criteria

You must be able to:

- P1 monitor **tests** and recommend modifications to maintain compliance with **test** requirements
- P2 monitor physical **tests** and ensure they are conducted accurately
- P3 conform to **safe working practices** during testing
- P4 ensure accuracy by only using calibrated equipment
- P5 ensure that sample sizes are sufficient to **test** the required properties and maintain their integrity to meet recognised statistical principles
- P6 ensure that **test data** is recorded clearly and accurately communicated to those who need to use it and stored securely for later analysis
- P7 keep a clear and accurate record of the time spent on the **tests** and of any problems that have arisen

Monitor and record tests

Knowledge and understanding

You need to know and understand:

- K1 how to monitor **tests**
- K2 how to recommend modifications to maintain compliance with **test** requirements (evaluation)
- K3 how to monitor that physical **tests** are conducted accurately (application)
- K4 how to ensure that sample sizes are sufficient to **test** the required properties
- K5 how to maintain the integrity of the samples (application)
- K5 how to ensure that **test data** is recorded and stored securely for later analysis (application)
- K5 how to ensure that **test data** is communicated to those who need it (application)
- K6 how to keep clear and accurate records of the time spent on the **tests** and of any problems that have arisen (application)
- K7 how to conform to **safe working practices** during testing (application)
- K8 how to ensure that the equipment used to maintain accuracy is calibrated (application)

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Scope/range**1 Test:**

- 1.1 structure
- 1.2 materials
- 1.3 environment
- 1.4 services

2 Safe working practices:

- 2.1 personal safety equipment and clothing
- 2.2 safe use of access as required under health and safety legislation
- 2.3 Industry Codes of Practice and Regulations applying to the test site and the tests being conducted
- 2.4 as identified by risk assessments

3 Test Data:

- 3.1 physical
- 3.2 condition
- 3.3 performance

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