

“Capacity Building and Strengthening Institutional Arrangement”

Analysis and sampling of air and air pollution

Working group n° 5
“Define a quality system for laboratory accreditation ”

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APAT

Agency for Environmental Protection and Technical Services

Define a quality system for laboratory accreditation

Objective:

ISO/IEC 17025 General Requirements for the Competence of Testing and Calibration Laboratories sets out the criteria for laboratories wishing to demonstrate that they are technically competent, operate an effective quality system, and are able to generate technically valid calibration and test results. The standard will form the basis for the accreditation of competence of laboratories by accreditation bodies.

Define applicable criteria for an air monitoring network

Activities:

1st phase: Discussion on the organization of laboratories of Egyptian Environmental Agency. Definition of the quality policies of laboratory. Identification of the laboratories overall objectives and quality policy statement describing the purpose of the management system related to quality and the laboratories standard of service.

2nd phase: Discussion on technical records. Technical records shall include sufficient information to establish an audit trail. This trail should lead back to the original documentation that defines what work is requested. The records shall also contain sufficient information to allow the repetition of the test in as close to the same manner as the original test. The records should include the identification of the factors affecting the uncertainty.

Define applicable criteria for an air monitoring network

Activities:

2nd phase continue: The records should contain:

- Identification of the equipment used;
- Procedure/method used to perform test;
- Test/calibration report;
- Uncertainty assessment;
- Traceability of the results;
- Sampling plan/method;
- Qualification of personnel performing the test

3rd phase: Final presentation and discussion about working group's activities.