



International Management Accreditation Board

Address : 51, Goldhill Plaza, #07-10/11, Singapore 308900
E-mail : info@imacb.com, customersupport@imacb.com
Website : www.imacb.com

Traceability Of Measurements Policy

1. Purpose

This document describes the policy of Accreditation Committee regarding the traceability of measurements.

2. References

ISO / IEC 17025:2005, paragraph 5.6, "General requirements on competences of testing and calibration laboratories".

3. Policy of IMAB related to the traceability of measurements

3.1 The bodies accredited from IMAB must demonstrate that calibration of equipments and the results of testing/calibration obtained from this equipment within the scope of accreditation, are traceable in relation to units of SI system. The Accreditation Committee recognizes the case when it is not possible to expect the traceability of measurements results. These cases are determined by IMAB depending on accreditation request.

3.2 The traceability on equipments or calibrations within the accreditation scope of the accredited calibration laboratories, should derive from:

- Directly from an appropriate national metrology institute.
- One calibration laboratory which could demonstrate the competence, the measuring capability and the traceability accompanied by the uncertainty of measurements like: an accredited calibration laboratory.

For the Accreditation Committee, an appropriate national metrology institute, it is considered the one which takes part regularly and successfully in the inter laboratory comparisons.

3.3 The Accreditation Committee requests to the testing laboratories and accredited inspection bodies to ensure the traceability of their internal calibration through results of accredited testing/inspection when it is used an external calibration which is accredited for reasonably small uncertainties. Also the laboratories could demonstrate their competence:

- to an national metrology institute or a reference national laboratory.
- through a certified reference material or accepted method.

When the calibration of equipment is considered technically impossible, it is acceptable for testing laboratories and inspection bodies to calibrate their equipment in a competent fashion to reference standards which are calibrated from accredited calibration laboratories or to national measurement standards. In this case the IMAB assessors shall request in their assessment the ensuring of internal traceability of the laboratory through the examination of the laboratory calibration system or the inspection body. For the examination of the competence of the laboratory to perform appropriate measurements, the assessors should take into account the compatibility of the reference standards that the laboratory/inspection body is using and the capability of the body to calibrate the working instruments to the reference standards.

The certificates of calibration issued from their manufacturer or their agents are not accepted indicators of the external traceability. The calibration certificates are accepted only if issued according to point 3.2.