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IQAS-029

Supplementary Criteria for Calibration Laboratories

AMENDMENT SHEET

Sr. No.	Page No.	Clause No.	Date of Amendment	Reasons of amendment	Amendment details	Remarks	Approved by
1.	--	--	28.10.2026	Periodic Review as per document control procedure	Detailing as part of periodic review	Replaces previous issue 00 dated 01.07.2024	R.S. Rana

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1. Objective

This procedure outlines requirement criteria for applicant calibration laboratories towards quality compliance.

2. Scope: This document covers the requirement criteria for calibration laboratories.

3. Normative and Other Reference

3.1 ISO/IEC 17025:2017, General Requirements for the Competence of Testing and Calibration Laboratories.

3.2 ISO/IEC 17000:2020 Conformity Assessment – Vocabulary and General Principles.

3.3 ILAC P9:06/2014 ILAC Policy for Participation in Proficiency Testing Activities.

3.4 ILAC P10:07/2020 ILAC Policy on the Traceability of Measurement Results

3.5 ILAC P14:09/2020 ILAC Guidelines for Measurement Uncertainty in Calibration

4. Definitions

Applicable definitions of ISO/IEC Standard 17000 series and any other relevant standard are applied.

5. Proficiency Testing Activity

The minimum amount of appropriate proficiency testing required per laboratory is given below:

- One PT/ILC activity from each applied field prior to gaining accreditation.
- One PT/ILC activity relating to each group of laboratory's scopes of accreditation at least every four years.

6. Traceability of Measurement Results

All measuring devices including subsidiary measuring devices which can impact the results should have the Traceability of Measurement to SI units, directly from National Physical Laboratory (NPL) New Delhi/ any other National Metrological Laboratory or from a laboratory from India or abroad accredited by a laboratory accreditation body which is signatory to MRA with APAC/ILAC.

7. Method used:

Calibration based on the international standard, National Standard, local standard, method published in the journal/ book etc. are acceptable.

The laboratory developed method can be used and the method shall be validated as per ISO/IEC 17025.

The method adopted by International Metrological Institute/ National Metrological Institute or any other international organization working in the field of calibration is also acceptable.

8.Uncertainty in Measurement

Calibration laboratories shall estimate uncertainties of measurement as per: ILAC-P14:09/2020 ILAC Guidelines for Measurement Uncertainty in Calibration, Para 2 "Guidance on Evaluation of Measurement Uncertainty in Calibration".