



FDAS SUPPLEMENTARY CRITERIA FOR CALIBRATION LABORATORIES

1.0 Introduction

1.1. Scope: These criteria are for Calibration Laboratories.

1.2. Normative and other Reference

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

1.2.2 ISO/IEC 17000:2000 Conformity Assessment – Vocabulary and General Principles

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

1.2.4. ILAC-P10:07/2020 ILAC Policy on the Traceability of Measurement Results.

1.2.5. ILAC-P14:09/2020 ILAC Policy for Uncertainty in Calibration.

2.0 Definitions

Applicable definitions of ISO/IEC Standard 17000 series apply.

3.0 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 scope of accreditation at least every four years.

4.0 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.

5.0 Uncertainty in measurement

Calibration laboratories shall estimate uncertainties of measurement based on "Guide to the expression of uncertainty in measurement" "GUM."

6.0 Links to Additional References

6.1 Asia Pacific Accreditation Cooperation-www.apac-accreditation.org

6.2 International Laboratory Accreditation Cooperation – www.ilac.org

6.3 International Organization for Standardization – www.iso.org

6.4 International Electrotechnical Commission – www.iec.ch