



ACCREDITATION CRITERIA FOR CALIBRATION LABORATORIES

AC204

June 11, 2025
Effective August 1, 2025

PREFACE

The attached accreditation criteria have been issued to provide all interested parties with guidelines on implementing performance features of the applicable standards referenced herein. The criteria were developed and adopted following public hearings conducted by the International Accreditation Service, Inc. (IAS), Accreditation Committee and are effective on the date shown above. All accreditations issued or reissued on or after the effective date must comply with these criteria. If the criteria are an updated version from a previous edition, refer to table of revisions at the end of the criteria. These criteria may be further revised as the need dictates.

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ACCREDITATION CRITERIA FOR CALIBRATION LABORATORIES

1.0 INTRODUCTION

- 1.1. **Scope:** These criteria set forth the requirements for obtaining and maintaining International Accreditation Service, Inc. (IAS), Calibration Laboratory accreditation. These criteria supplement the IAS Rules of Procedure for Calibration Laboratory Accreditation.
- 1.2. **Normative and Reference Documents:** Publications listed below refer to current editions (unless otherwise stated).
 - 1.2.1. ISO/IEC Standard 17025, General requirements for the competence of testing and calibration laboratories.
 - 1.2.2. ISO/IEC Standard 17000, Conformity assessment — Vocabulary and general principles.
 - 1.2.3. ISO 17034 General requirements for the competence of reference material producers
 - 1.2.4. JCGM 100:2008, GUM 1995 with minor corrections, Evaluation of measurement data – Guide to the expression of uncertainty in measurement.
 - 1.2.5. ILAC P9, ILAC Policy for Proficiency Testing and/or Interlaboratory comparisons other than Proficiency Testing
 - 1.2.6. ILAC P10, ILAC Policy on Metrological Traceability of Measurement Results.
 - 1.2.7. ILAC P14, ILAC Policy for Measurement Uncertainty in Calibration.

2.0 DEFINITIONS

- 2.1. Applicable definition of ISO/IEC Standard 17000 series apply.
- 2.2. JCGM 200:2012 International vocabulary of metrology – Basic and general concepts and associated terms (VIM).

3.0 ELIGIBILITY

Accreditation services are available to calibration laboratories which:

- 3.1. Perform calibrations of its own company (internal).
- 3.2. Perform calibrations of products of external organizations (external).

4.0 REQUIRED BASIC INFORMATION

Calibration laboratories must demonstrate compliance with the following requirements:

- 4.1. ISO/IEC Standard 17025, General requirements for the competence of testing and calibration laboratories.
- 4.2. IAS Rules of Procedure for Calibration Laboratory Accreditation.

- 4.3. ILAC P9, ILAC Policy for Proficiency Testing and/or Interlaboratory comparisons other than Proficiency Testing
- 4.4. ILAC P10, ILAC Policy on Metrological Traceability of Measurement Results.
- 4.5. ILAC P14, ILAC Policy for Measurement Uncertainty in Calibration.
- 4.6. Relevant IAS policy documents:
 - 4.6.1. IAS/CL/014 IAS Policy on Calibration, Traceability, and Measurement Uncertainty for Calibration Laboratories,
 - 4.6.2. IAS/TL-CL/026 IAS Policy on Off-Site Testing/Calibration,
 - 4.6.3. IAS/ADM/103 IAS Policy on Participation in Proficiency Testing and/or Interlaboratory Comparisons,
 - 4.6.4. IAS/ADM/044 IAS Policy on Relocation of Accredited Organizations,
 - 4.6.5. IAS/ADM/100 IAS Policy for the Integrated Accreditation of a Conformity Assessment body Having Multi-Site Activities in Multiple Locations,
 - 4.6.6. IAS/ADM/084 IAS Policy on the use of the ILAC/IAF/IAS Combined Marks.

5.0 ADDITIONAL INFORMATION

- 5.1. **Measurement Uncertainty:** Accredited calibration laboratories must report measurement uncertainty in all calibration reports.
- 5.2. **Proficiency Testing Activity:** Proficiency testing activity shall be completed in accordance with ILAC P9 and IAS/ADM/103 IAS Policy on Participation in Proficiency Testing and/or Interlaboratory Comparisons.

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
- 6.5 International Accreditation Service – www.iasonline.org
- 6.6 Article on ISO/IEC 17025:2017 – <https://www.iasonline.org/wp-content/uploads/2018/01/The-New-ISO-IEC-17025-2017.pdf>
- 6.7 Bureau International des Poids et Mesures – <https://www.bipm.org/en/>

These criteria were previously issued September 2002, May 2004, August 2006, April 2008, May 2010, June 2013, February 2016, April 2017, September 2018, December 2021, June 2024 and August 2024.

Revision Date	Summary of Changes
June 11, 2025	<ul style="list-style-type: none">• Updated title of ILAC P9• Section 4.6: replaced 4.6.3 with IAS/ADM/103, and added IAS/ADM/100 and 084