



# **ACCREDITATION CRITERIA FOR PROFICIENCY TESTING PROVIDERS**

## **AC785**

**October 2023  
(Effective December 1, 2023)**

### **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, solid vertical lines (|) in the outer margin within the criteria indicate a technical change or addition from the previous edition. Deletion indicators (→) are provided in the outer margins where a paragraph or item has been deleted if the deletion resulted from a technical change. These criteria may be further revised as the need dictates.

IAS may consider alternate criteria provided the proponent submits substantiating data demonstrating that the alternate criteria are at least equivalent to the attached criteria and otherwise meet applicable accreditation requirements.

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## ACCREDITATION CRITERIA FOR PROFICIENCY TESTING PROVIDERS

### 1. INTRODUCTION

1.1. **Scope:** These criteria set forth the general requirements for the competence and impartiality of proficiency testing (PT) providers for obtaining and maintaining International Accreditation Service, Inc. (IAS), Proficiency Testing Provider (PTP) accreditation. These criteria supplement the IAS Rules of Procedure Proficiency Testing Provider Accreditation.

1.2. **Normative and Reference Documents:** Publications listed below refer to current editions (unless otherwise stated).

1.2.1. ISO/IEC 17043:2023, Conformity assessment – General requirements for the competence of proficiency testing providers.

1.2.2. ISO/IEC 17043:2010, Conformity assessment – General requirements for proficiency testing.

1.2.3. ISO 13528:2022, Statistical methods for use in proficiency testing by interlaboratory comparison.

1.2.4. IUPAC Harmonized Protocol: 2006.

1.2.5. ILAC-P9, 06/2014, ILAC Policy for Participation in Proficiency Testing Activities.

1.2.6. ILAC P10:07/2020, ILAC Policy on Metrological Traceability of Measurement Results.

1.2.7. ILAC-G27, 07/2019, Guidance on measurements performed as part of an inspection process.

1.2.8. ISO/IEC 17000, Conformity assessment – Vocabulary and general principles.

### 2. DEFINITIONS

Applicable definitions of ISO/IEC Standard 17000 series apply (refer to above).

### 3. ELIGIBILITY

Accreditation services are available to organizations that are:

3.1. Effectively implementing the management system according to ISO/IEC 17043:2010 or ISO/IEC 17043:2023,

3.2. Capable of conducting PT schemes in accordance with ISO/IEC 17043,

3.3. Knowledgeable and have access to expertise specific to the PT item being offered (i.e., conversant with the behavior of the product or item used in the PT Scheme),

3.4. Competent in establishing and assigning the measurement of the properties being determined for the use in a PT scheme,

3.5. Recognized as having a testing/calibration laboratory. Refer to the points (3.5.1-3.5.3) below for exceptions and additional requirements:

- 68 3.5.1 If the testing/calibration/inspection of the PT items are conducted for the purpose of  
69 ensuring the homogeneity and/or stability of the PT items used as well as for the  
70 purpose of measuring or assigning the property value for measurand/characteristic  
71 then the organization performing the activity must comply with ISO 17034, ISO/IEC  
72 17025, ISO 15189 or ISO/IEC 17020 requirements, as required.
- 73 3.5.2 Where a subcontractor is used, the subcontractor must have a testing/calibration  
74 laboratory.
- 75 3.5.3 In accordance with ILAC Resolution GA 26.09, all accredited PTPs must be transited to  
76 the second edition of ISO/IEC 17043: 2023 by May 2026. At the end of the transition  
77 period, accreditation of a proficiency testing provider to ISO/IEC 17043:2010 will not be  
78 recognized under the ILAC Arrangement.

#### 80 4. REQUIRED BASIC INFORMATION

81 PTP must demonstrate compliance with the following requirements:

- 82 4.1. ISO/IEC 17043:2023, Conformity assessment – General requirements for the competence of  
83 proficiency testing providers,
- 84 4.2. ISO/IEC 17043:2010, Conformity assessment – General requirements for proficiency testing,
- 85 4.3. ISO 13528:2022, Statistical methods for use in proficiency testing by interlaboratory  
86 comparison,
- 87 4.4. IAS Rules of Procedure Proficiency Testing Provider Accreditation.

#### 89 5. ADDITIONAL INFORMATION (AS APPLICABLE)

- 90 5.1. **Homogeneity/stability check:** The PT items used for conducting the PT Schemes must be  
91 sufficiently homogeneous and stable. Organizations performing homogeneous testing, stability  
92 testing and assigning property values and associated uncertainty values of the PT items are  
93 required to be in compliance with the requirements of ISO 17034 and ISO/IEC 17025 (or ISO  
94 15189 for medical laboratories).

95  
96 The laboratory shall participate in proficiency testing, where available, for its testing activity.  
97 The laboratory may also choose other options as indicated in Clause 7.7.1 of ISO/IEC Standard  
98 17025.

- 99  
100 5.2. **Internal calibration:** Where applicable, the following information must be provided or made  
101 available to IAS prior to an assessment:

- 102 5.2.1. List of equipment that is calibrated internally for the production of the PT sample,  
103 5.2.2. Specific procedures used for internal calibration of equipment,

- 104 5.2.3. Training and qualification records of personnel performing the internal calibration  
105 and/or testing of PT items,  
106 5.2.4. The internal measurement activity shall be audited as part of the organization's internal  
107 audit.  
108

- 109 5.3. **Subcontracting:** A competent subcontractor engaged for testing and measurement by the  
110 PTP is not limited to an accredited IAS Conformity Assessment Body (CAB) or a CAB  
111 accredited by a signatory to ILAC Mutual Recognition Arrangement. The subcontractor must be  
112 competent and meet the requirements of the latest version of ISO/IEC 17025 (refer to clause  
113 6.1, clause 6.1 of ISO/IEC 17043:2023 or clause 5.5 of ISO/IEC 17043:2010).  
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## 115 6. LINKS TO ADDITIONAL REFERENCES

- 116 6.1 Asia Pacific Accreditation Cooperation – [www.apac-accreditation.org](http://www.apac-accreditation.org)  
117 6.2 Asia Pacific Legal Metrology Forum – [www.aplmf.org](http://www.aplmf.org)  
118 6.3 International Laboratory Accreditation Cooperation – [www.ilac.org](http://www.ilac.org)  
119 6.4 International Organization for Standardization – [www.iso.org](http://www.iso.org)  
120 6.5 International Electrotechnical Commission – [www.iec.ch](http://www.iec.ch)  
121 6.6 International Organization of Legal Metrology – [www.oiml.org](http://www.oiml.org)  
122 6.7 International Accreditation Service – [www.iasonline.org](http://www.iasonline.org)