



April 21, 2025

**TO: IAS REFERENCE MATERIAL PRODUCERS AND OTHER INTERESTED PARTIES.**

**SUBJECT: Proposed Revisions to the Accreditation Criteria for Reference Material Producer, AC784-202506-R0 (LHDB/MS)**

**Hearing Information:**

IAS Accreditation Committee

Wednesday, June 11, 2025

8:30 am (Pacific Time Zone)

Webex Meeting – Refer to IAS website for details.

Dear Madam or Sir:

Proposed Revisions to the Accreditation Criteria for Reference Material Producer, (AC784) have been placed on the agenda for committee consideration at the above-noted meeting.

1. Under 'Normative and Reference Documents' and 'Required Basic Information' sections the following policy updates and new standards have been included:

Lines 37-38, 41-46, 77-78, and 81-86:

- ISO 33405:2024 -Reference materials — Approaches for characterization and assessment of homogeneity and stability.
- ISO 33401:2024 Reference materials — Contents of certificates, labels and accompanying documentation.
- ISO 33406: 2024 Approaches for the production of reference materials with qualitative properties.
- ISO 33407:2024 Guidance for the production of pure organic substance certified reference materials.

Lines 48-50:

- Update the title of reference in accordance with latest ILAC P9 and ILAC P10.

Lines 53-59 and 88-93:

- IAS/CL/014: IAS Policy on Calibration, Traceability and Measurement Uncertainty for Calibration Laboratories.
- IAS/TL/025: IAS Policy on Calibration, Traceability and Measurement Uncertainty for Testing Laboratories.

- IAS/ADM/109: IAS Policy on Establishing Metrological Traceability of Measurement for Accreditation of Proficiency Testing Providers and Reference Material Producers.
- IAS Transition Policy established for the transition of RMPs to the relevant ISO 334 series of standards.

Line 131:

- Addition of ISO/TC 334 Reference Materials weblink

You are cordially invited to submit written comments or to attend the Webex committee hearing and present verbal comments. Written comments will be forwarded to the committee, **prior to the hearing**, if received by **May 30, 2025**. For your convenience, a comment form is provided. The link can be found on the Accreditation Committee meeting page on the IAS website, [www.iasonline.org](http://www.iasonline.org). Comments must be emailed to [iasinfo@iasonline.org](mailto:iasinfo@iasonline.org).

Parties interested in proposed revised criteria may deliver written communications and submissions regarding such proposed criteria to IAS within approximately 30 days of posting of the public notice on the IAS website. The committee shall be informed of all pertinent written communications received by IAS. Any relevant communication and changes to a criteria arising from the written communication/submission shall be posted to the IAS website prior to the meeting.

Participants at the accreditation committee meetings shall have the opportunity to speak on the proposed criteria to provide information to the committee. Committee meetings are generally held by electronic means. Participants are responsible to ensure access to appropriate computer equipment, software, and internet connectivity to ensure effective participation during the meeting.

Your cooperation is requested in forwarding to IAS, as noted above, all material directed to the committee. Prior to the hearing, parties interested in the deliberations of the committee should refrain from communicating, whether in writing or verbally, with committee members regarding agenda items. The committee reserves the right to refuse communications that do not comply with this request.

If you have any questions, please contact IAS at 562-364-8201. You may also reach us by e-mail at [iasinfo@iasonline.org](mailto:iasinfo@iasonline.org).

Yours very truly,

*International Accreditation Service*

IAS Management

Enclosures: Proposed Revised AC784

cc: Accreditation Committee



1 **PROPOSED REVISIONS TO THE ACCREDITATION CRITERIA FOR REFERENCE**  
2 **MATERIAL PRODUCER**

3  
4 **AC784**

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7 **Proposed June 11, 2025**

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9 **(Effective xxxx)**

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12 **PREFACE**

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14 The attached accreditation criteria have been proposed to provide all interested parties  
15 with an opportunity to comment. These criteria may be further revised as needed. The  
16 criteria are developed and adopted following public hearings conducted by the  
17 International Accreditation Service, Inc. (IAS), Accreditation Committee and are  
18 effective on the first of the month following approval by the Accreditation Committee, but  
19 no earlier than 30 days following the approval.  
20

21 **PROPOSED REVISIONS TO THE ACCREDITATION CRITERIA FOR REFERENCE MATERIAL**  
22 **PRODUCER**

23  
24 **1. INTRODUCTION**

25 1.1. **Scope:** These criteria set forth the requirements for obtaining and maintaining International  
26 Accreditation Service, Inc. (IAS), Reference Material Producer (RMP) accreditation. These  
27 criteria supplement the IAS Rules of Procedure for Reference Material Producer Accreditation.  
28

29 1.2. **Normative and Reference Documents:** Publications listed below refer to current editions  
30 (unless otherwise stated).

31 1.2.1. ISO/IEC Standard 17034: 2016, General requirements for the competence of reference  
32 material

33 1.2.2. ISO/IEC Standard 17025:2017, General requirements for the competence of testing and  
34 calibration laboratories.

35 1.2.3. ISO Guide 35: 2017, Reference materials — Guidance for characterization and  
36 assessment of homogeneity and stability

37 [1.2.4. ISO 33405:2024, Reference Materials. Approaches for Characterization and](#)  
38 [Assessment of Homogeneity and Stability](#)

39 [1.2.5. ISO Guide 31: 2015, Reference materials — Contents of certificates, labels and](#)  
40 [accompanying documentation](#)

41 [1.2.6. ISO 33401:2024, Reference materials – Contents of Certificates, Labels and](#)  
42 [Accompanying Documentation](#)

43 [1.2.7. ISO 33406:2024, Approaches for the Production of Reference Materials with Qualitative](#)  
44 [Properties](#)

45 [1.2.4.1.2.8. ISO 33407:2024, Guidance for the Production of Pure Organic Substance](#)  
46 [Certified Reference Materials](#)

47 [1.2.5.1.2.9. ISO Guide 30: 2015, Reference materials - Selected terms and definitions](#)

48 [1.2.6.1.2.10. ILAC-P9, ILAC Policy for Participation in Proficiency Testing and/or](#)  
49 [Interlaboratory comparisons other than Proficiency Testing Activities.](#)

50 [1.2.7.1.2.11. ILAC P10:04/2013, ILAC Policy on Metrological Traceability of Measurement](#)  
51 [Results](#)

52 [1.2.12. ISO/IEC Standard 17000, Conformity assessment – Vocabulary and general principles](#)

53 [1.2.13. IAS/CL/014, IAS Policy on Calibration, Traceability and Measurement Uncertainty for](#)  
54 [Calibration Laboratories](#)

55 [1.2.14. IAS/TL/025, IAS Policy on Calibration, Traceability and Measurement Uncertainty for](#)  
56 [Testing Laboratories](#)

57 [1.2.15. IAS/ADM/109, IAS Policy on Establishing Metrological Traceability of Measurement for](#)  
58 [Accreditation of Proficiency Testing Providers and Reference Material Producers](#)  
59 ~~4.2.8.~~[1.2.16. IAS Transition Policy on new ISO 334 series standards](#)  
60

## 61 2. DEFINITIONS

62 Applicable definitions of ISO/IEC Standard 17000 series apply.

## 64 3. ELIGIBILITY

65 Accreditation services are available to organizations and/or laboratories that:

- 66 3.1. Have effectively implemented the management system as per ISO 17034:2016,
- 67 3.2. Assign property values and the associated uncertainties (where applicable) of reference  
68 materials to establish metrological traceability of reference materials (RM) and certified reference  
69 materials (CRM), and
- 70 3.3. Determine the shelf life of reference materials on the basis of stability studies conducted.

## 72 4. REQUIRED BASIC INFORMATION

73 RMP must demonstrate compliance with the following requirements:

- 74 4.1. ISO/IEC Standard 17034: 2016, General requirements for the competence of reference material
- 75 [4.2. ISO Guide 35: 2017, Reference materials — Guidance for characterization and assessment of](#)  
76 [homogeneity and stability](#)
- 77 [4.2.4.3. ISO 33405:2024, Reference Materials. Approaches for Characterization and Assessment](#)  
78 [of Homogeneity and Stability](#)
- 79 [4.4. ISO Guide 31: 2015, Reference materials — Contents of certificates, labels and accompanying](#)  
80 [documentation](#)
- 81 [4.5. ISO 33401:2024, Reference materials – Contents of Certificates, Labels and Accompanying](#)  
82 [Documentation](#)
- 83 [4.6. ISO 33406:2024, Approaches for the Production of Reference Materials with Qualitative](#)  
84 [Properties](#)
- 85 ~~4.3.~~[4.7. ISO 33407:2024, Guidance for the Production of Pure Organic Substance Certified](#)  
86 [Reference Materials](#)
- 87 [4.8. ISO Guide 30: 2015, Reference materials - Selected terms and definitions](#)
- 88 [4.9. IAS/CL/014, IAS Policy on Calibration, Traceability and Measurement Uncertainty for Calibration](#)  
89 [Laboratories](#)
- 90 [4.10. IAS/TL/025, IAS Policy on Calibration, Traceability and Measurement Uncertainty for](#)  
91 [Testing Laboratories](#)
- 92 ~~4.4.~~[4.11. IAS/ADM/109, IAS Policy on Establishing Metrological Traceability of Measurement for](#)  
93 [Accreditation of Proficiency Testing Providers and Reference Material Producers](#)

94 [4.5.4.12.](#) IAS Rules of Procedure for Reference Materials Producer.

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96 **5. ADDITIONAL INFORMATION (AS APPLICABLE)**

97 5.1. **Internal characterization:** Where applicable, organizations performing internal characterization  
98 (testing) and/or calibration are required to be in compliance with the requirements of ISO/IEC  
99 Standard 17025, IAS Accreditation Criteria AC89 (Testing) and AC204 (Calibration), as  
100 applicable.

101 Additionally, the following information must be provided or made available to IAS:

102 5.1.1. List of equipment that is calibrated internally for the production of reference material.

103 5.1.2. Specific procedures used for internal calibrations of equipment.

104 5.1.3. Training and qualification records of personnel qualified to perform the internal  
105 calibration and/or characterization.

106 5.1.4. The internal measurement activity shall be audited as part of the organization's internal  
107 audit.

108 5.1.5. The laboratory shall participate in proficiency testing, where available, for its testing  
109 activity. The laboratory may also choose other options as indicated in Clause 7.7.1 of  
110 ISO/IEC Standard 17025.

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112 5.2. **Subcontracting:** A competent subcontractor used by the RMP is not limited to an accredited  
113 IAS CAB or CAB accredited by a signatory to ILAC Mutual Recognition Arrangement.

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115 **5.3. Regulatory Requirements**

116 5.3.1. Regulatory entities may place specific compliance requirements on RMP organizations.  
117 If an RMP is required to comply with the applicable regulatory requirements, they must  
118 agree to comply with additional requirements.

119 5.3.2. RMP must comply with regulatory requirements of Authority Having Jurisdiction (AHJ)  
120 or other regulatory entities, including specific compliance requirements for qualification,  
121 licensing, etc., of personnel and operation of RMP.

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123 **6. LINKS TO ADDITIONAL REFERENCES**

124 6.1 Asia Pacific Accreditation Cooperation – [www.apac-accreditation.org](http://www.apac-accreditation.org)

125 6.2 Asia Pacific Legal Metrology Forum - [www.aplmf.org](http://www.aplmf.org)

126 6.3 International Laboratory Accreditation Cooperation – [www.ilac.org](http://www.ilac.org)

127 6.4 International Organization for Standardization – [www.iso.org](http://www.iso.org)

128 6.5 International Electrotechnical Commission – [www.iec.ch](http://www.iec.ch)

129 6.6 International Organization of Legal Metrology – [www.oiml.org](http://www.oiml.org)

130 [6.7 International Accreditation Service – www.iasonline.org](http://www.iasonline.org)

131 [6.76.8 ISO/TC334 Reference Materials – https://committee.iso.org/home/tc334](https://committee.iso.org/home/tc334)

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134 *These criteria were previously issued September 2019.*