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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 27433-2025

**Conformity assessment - Terms and definitions of laboratory
accreditation**

合格评定 实验室认可术语与定义

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Foreword

This document complies with the provisions of GB/T 1.1-2020 "Standardization Work Guidelines Part

1. Structure and Drafting Rules of Standardization Documents". Drafting. Please note that some content in this document may involve patents. The issuing organization of this document assumes no responsibility for identifying patents. This document was proposed and is under the jurisdiction of the National Technical Committee on Standardization of Certification and Accreditation (SAC/TC261). This document was drafted by: China National Accreditation Service for Conformity Assessment, Beijing Aerospace Metrology and Testing Technology Research Institute, and Shenzhen Tiansu Metrology and Testing. Joint-stock company, Shanghai Tianxiang Quality Technology Service Co., Ltd., and Shenzhen Chenshi Medical Management Co., Ltd. The main drafters of this document are: Zhou Yongyun, Zhang Haiyan, Ma Yuan, Zhang Xiujian, Shi Xia, Liu Ying, and Zhu Sunjie.

With the widespread application of GB/T 27025 "General requirements for the competence of testing and calibration laboratories" (equivalent to ISO /IEC 17025), Laboratory accreditation has become the accreditation system in my country with the largest number of accredited conformity assessment bodies. To facilitate laboratories' understanding of accreditation-related matters... Regarding terminology, this document categorizes and organizes laboratory accreditation terminology based on laboratory competence requirements and the laboratory accreditation process, while also incorporating relevant terminology. GB/T 27025-2019 "General Requirements for the Competence of Testing and Calibration Laboratories", GB/T 27000-2023 "Glossary and General Terms for Conformity Assessment" This document references terms from several standards, including "Principles" and GB/T 27011-2019 "Requirements for Conformity Assessment Accreditation Bodies." The laboratories mentioned in this document... Refers to testing and calibration laboratories. The terminology for laboratory competence requirements in this document is based on laboratory structural requirements, laboratory resource requirements, laboratory

process requirements, and laboratory management. The accreditation system requirements are followed in the compilation. The terminology for the accreditation process is compiled according to accreditation application, accreditation review, accreditation approval, and international mutual recognition. The document supplements and improves the terminology for accreditation elements and terms unique to accreditation in my country, and integrates and optimizes some terms whose definitions are inconsistent across different standards. This facilitates laboratory retrieval and application. Accreditation Terminology and Definitions for Conformity Assessment Laboratories

1 Scope

GB/T 27433-2025 is the Chinese national standard covering the vocabulary of laboratory accreditation - accreditation against certification, scope and flexible scope, proficiency testing, measurement traceability and uncertainty, the assessment and the non-conformity, defined so that CNAS documents and contracts mean one thing. First edition, already in force since 31 October 2025. Issued on 31 October 2025, it has been in force since 31 October 2025.

This document defines the general terminology for laboratory accreditation, the terminology for laboratory competence requirements, and the terminology for the laboratory accreditation process. This document applies to work related to accreditation activities of testing and calibration laboratories.

2 Normative references

This document has no normative references.

3.1 Conformity assessment Confirmation that the requirements have been met. Note

- 1.Conformity assessment includes activities as defined elsewhere in this document, such as, but not limited to, testing, inspection, verification, certification and accreditation. Note
- 2.This document does not include a definition of "conformity." The word "conformity" in the definition of "conformity assessment" does not have a separate meaning. This document also... The concept of compliance is not involved. [Source:

GB/T 27000-2023, 3.1, with modifications]

3.2 Accreditation A formal third-party certification demonstrating that a conformity assessment body possesses the capability to conduct specific conformity assessment activities and operates impartially and consistently. [Source: GB/T 27000-2023, 6.7]

3.3 laboratory Organizations that engage in one or more of the following activities.

---Sampling related to subsequent testing or calibration. [Source:

GB/T 27025-2019, 3.6, with modifications]

3.4 Testing One or more characteristics of the conformity assessment object are determined according to the procedure. Note

1.The program can be used to control variables in the detection process, thereby improving the accuracy or reliability of the results. Note

2.The test results can be expressed using the prescribed units or by objective comparison with a consensus reference. Note

3.The output of the test can include comments (such as opinions and explanations) on the test results and the degree to which the specified requirements are met. [Source:

GB/T 27000-2023, 5.2, with modifications]

3.5 calibration Under specified conditions, the first step of a set of operations is to determine the relationship between the measured value and the corresponding indicated value provided by the measurement standard; the second step is...