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**CERTIFICATION AND ACCREDITATION INDUSTRY STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

RB/T 100-2023

**Guide for technical analysis of proficiency testing results
(English Translation)**

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Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for standardization work Part 1: Structure and drafting rules for standardization documents" Drafting:

Introduction

This document is based on GB/T 27043 "General requirements for proficiency testing for conformity assessment" to prepare a technical analysis report on proficiency testing results:

Application Guide:

The technical analysis report of proficiency testing results provides all the information on the proficiency testing design, operation and results evaluation process:

Guidelines for the preparation of technical analysis reports on proficiency testing results and key technical content to promote the preparation of technical analysis reports on proficiency testing results the integrity, compliance and standardization of information:

Guidelines for Technical Analysis of Proficiency Testing Results

1 Scope

This document provides guidance on the type, preparation process, structure, content and format of technical analysis reports on proficiency testing results:

This document is applicable to all types of proficiency testing programs: Technical analysis reports of proficiency testing results in different disciplines or fields can refer to this document:

The document shall formulate corresponding writing specifications:

2 Normative references

The contents of the following documents constitute the essential clauses of this document through normative references in this document:

For referenced documents without a date, only the version corresponding to that date applies to this document; for referenced documents without a date, the latest version (including all amendments) applies to this document:

GB/T 7714 Information and bibliographic references - Rules for the description of bibliographical information GB/T 30534 Confidentiality Level Codes and Identifications for Scientific and Technological Reports

3 Terms and definitions

The following terms and definitions apply to this document:

Proficiency testing; PT Inter-laboratory comparisons are used to assess the performance of participants (3:9) according to pre-specified criteria:

[Source: GB/T 27043-2012, 3:7, modified] 3.2 organization responsible for all tasks in the

establishment and operation of a proficiency testing scheme (3:5)

[Source: GB/T 27043-2012, 3:9] 3.3 Samples, products, artifacts, reference materials/samples, equipment components, measurement standards, data sets, or other items used for proficiency testing information:

[Source: GB/T 27043-2012, 3:8] 3.4 document describing the progress or results of proficiency testing activities carried out by its organization

Note 1: The main purpose of the technical analysis report of proficiency testing results is to accumulate, communicate and utilize the results of proficiency testing and to put forward relevant action recommendations:

Note 2: The content of the technical analysis report of proficiency testing results shall include but not be limited to the design, implementation and capability evaluation results of the proficiency testing activities, the results of the participants' the information on laboratory results, inter-laboratory differences and potential laboratory problems is used to analyze, compare and evaluate the capabilities of participants and identify laboratory problems:

issues and initiate corrective measures: