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

RB/T 186-2017

**Specification of evaluation for qualitative proficiency testing
(English Translation)**

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Table of Contents

Foreword

Introduction

1 Scope

2 Normative references

3 Terms and definitions

Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009.

This standard is proposed and managed by the National Certification and Accreditation Administration.

This standard was drafted. Beijing Entry-Exit Inspection and Quarantine Bureau of the People's Republic of China, China National Accreditation Service for Conformity Assessment, Hebei Medical University of Science and Technology, Liaoning Entry-Exit Inspection and Quarantine Bureau of the People's Republic of China, China Academy of Inspection and Quarantine.

Introduction

At present, the role of proficiency testing is increasingly evident and is becoming more widely used. From the current verification of capabilities, regardless of What is its form, according to its type of results, can be roughly divided into quantitative proficiency testing, qualitative proficiency testing or both types of groups.

Application (some parameters are quantitative results, some parameters are qualitative results). Quantitative class proficiency testing uses a certain numerical value as a means of description.

If the results can be consistent within a certain range, the evaluation criteria are relatively uniform and have a clear traceability. Qualitative class proficiency testing focuses on One or more characteristics of the proficiency test item are identified or described, and the results are mostly trait determination or description, with strong logic and push Rationality is more susceptible to subjective factors near the qualitative change line. Currently, in the field of quantitative analysis, the operational specification of proficiency testing is especially the method of evaluation of results is more mature and stable; in the field of qualitative analysis, the development of proficiency testing is relatively lagging, especially the evaluation methods related to their results, whether they are international documents or domestic

guidelines, are still blank. This standard passes the verification of qualitative ability the results of the evaluation of the relevant elements of the norms help to promote the development of proficiency testing activities in the field of qualitative testing.

Qualitative class ability verification result evaluation specification

1 Scope

This standard specifies the requirements for the evaluation of the qualifications, the specified values, the results analysis and the capability assessment.

program.

This standard is applicable to the evaluation of the results performed by the proficiency testing provider in the process of conducting qualitative proficiency testing, and is also applicable to accreditation.

The organization's review of the proficiency testing provider.

2 Normative references

The following documents are indispensable for the application of this document. For dated references, only dated versions apply to this article.

Pieces. For undated references, the latest edition (including all amendments) applies to this document.

GB/T 27043 General requirements for conformity assessment GB/T 28043 Statistical method for proficiency testing using inter-laboratory comparison

3 Terms and definitions

The following terms and definitions as defined in GB/T 27043 apply to this document. For ease of use, the following is repeated Certain terms and definitions in GB/T 27043.

Proficiency testing

Use inter-laboratory comparisons to evaluate participants' abilities in accordance with pre-established guidelines.

[GB/T 27043-2012, 3.7] 3.2 Proficiency test scheme proficiencytestingscheme One or more rounds of capability verification designed and operated in a specific area of inspection, measurement, calibration or inspection.

Note: A proficiency testing program may include one or more specific types of testing, calibration or inspection of proficiency testing items.

[GB/T 27043-2012, 3.11] 3.3 Proficiency test item proficiencytestingitem Samples,

products, artifacts, reference materials/standard samples, equipment parts, measurement standards, data sets or other for proficiency testing information.

[GB/T 27043-2012, 3.8] 3.4 Specified value assignedvalue A value or textual description given to a particular property of a proficiency test item.

Result value endvalue Values or textuality of uniform units fed back by the laboratories participating in the proficiency testing program as requested by the proficiency testing provider