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PEOPLE'S REPUBLIC OF CHINA**

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**Specification for science and technology achievement
evaluation**

科技成果评估规范

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Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for standardization work Part

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The evaluation of scientific and technological achievements is an important part of the development of scientific and technological innovation. Through objective and fair evaluation of scientific and technological achievements, it helps to better stimulate The enthusiasm and creativity of scientific and technological personnel will be stimulated, thereby producing more high-quality results and creating a good innovation ecosystem. This document aims to promote the standardized and professional development of scientific and technological achievements evaluation, ensure the quality of scientific and technological achievements evaluation activities, and give full play to the The guiding role of scientific and technological achievement evaluation. Standards for the evaluation of scientific and technological achievements

1 Scope

GB/T 44731-2024 is the Chinese specification for evaluating science and technology achievements. It matters because in China the evaluation is not academic: it decides whether a research result can be transferred, valued, licensed or counted toward an institution's performance, and it is used in transactions where a number has to be defensible. The standard sets the evaluation principles, classification by type of achievement, systematic treatment, the combination of quantitative and qualitative judgement, independence and traceability, and then the framework itself: the objects of evaluation and their classification, the evaluation indicators covering technical maturity and advancement, the novelty and the intellectual property position, the economic and social benefit and the market prospect, the evaluation methods and the selection between them, the procedure from commission through evidence collection, expert review and calculation to the report, the requirements on the evaluation body and on the experts, and the form and content of the evaluation report. It took effect on 26 October 2024.

This document establishes the principles for the evaluation of scientific and technological achievements in the fields of natural sciences and technology, specifies the evaluation content, and describes the evaluation methods and process. This document is applicable to the evaluation of scientific and technological achievements in the fields of basic research, applied research, technological development and industrialization in the field of natural science and technology. Evaluation activities, other types of scientific and technological achievements evaluation can be used as reference.

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. In this

document.

GB/T 22900-2022 General principles for the evaluation of scientific and technological research projects

GB/T 39057-2020 Guidelines for the Economic Value Assessment of Scientific and Technological Achievements

GB/T 40148 Basic Terminology for Science and Technology Assessment

3 Terms and Definitions

The terms and definitions defined in GB/T 40148 and the following apply to this document.

3.1 science and technology achievement Results produced through scientific research and technological development that have certain academic or application value.

Note. Scientific and technological achievements in the field of natural science and technology are usually divided into basic research results (3.3), applied research results (3.4), technology development and industrialization results There are three types of fruit (3.5).

3.2 Science and technology achievement evaluation Various types of professional evaluation and consulting activities carried out on scientific and technological achievements during the process of output, management, transfer, transformation or promotion and application. [Source: GB/T 40148-2021, 4.9]

3.3 fundamental research achievement In order to obtain the basic principles and laws of objective phenomena and observable facts, or to solve the basic problems in economic and social development and national security, The results of experimental or theoretical research on basic scientific problems.

Note. Basic research results are usually divided into free exploration and goal-oriented categories. [Source: GB/T 22900-2022, 3.4, modified]

3.4 applied research achievement Initial research conducted to determine the possible uses of basic research results or to achieve a specific practical goal Results. [Source: GB/T 22900-2022, 3.5, modified]