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Basic terminology of science and technology evaluation

科技评估基本术语

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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 of Standardization Documents" Drafting. Please note that some of the contents of this document may involve patents. The issuing agency of this document is not responsible for identifying patents. This document was proposed and managed by the National Standardization Technical Committee of Science and Technology Evaluation (SAC/TC580). This document was drafted by: Science and Technology Evaluation Center of the Ministry of Science and Technology, China National Institute of Standardization, and National Science and Technology Infrastructure Platform Center. The main drafters of this document. Xu Yaoling, Qu Mingjian, Zan Tingting, Fu Qiang, Yan Wanti, Li Jianjun, He Yuntao, Gao Jian, Lin Li, Guo Linna, Yin Lixin, Xu Donghui. Basic terminology of science and technology evaluation

1 Scope

China's national basic terminology for science and technology evaluation. It defines the general terms of the field. It is the companion to the general rules, and a vocabulary is genuinely necessary here rather than merely tidy, because the words in this field are used loosely and consequentially. Peer review, expert assessment, indicator-based evaluation, bibliometric analysis and impact assessment are distinct procedures with different validity and different costs, and they are frequently spoken of interchangeably. So are the objects being evaluated: a project, a programme, an institution, a discipline and an individual require different methods, and applying one method to another object is the commonest failure in research assessment. Fixing the terms is the precondition for saying anything defensible about which method suits which purpose, which is what the general rules then

do.

This document specifies the basic terms and definitions of scientific and technological evaluation. This document is applicable to the commission, organization, implementation, application, management, research, etc. of various scientific and technological evaluation activities.

2 Normative references

There are no normative references in this document.

3 General terminology of science and technology evaluation

3.1 Science and technology activities In the fields of natural sciences, engineering and technical sciences, medical sciences, agricultural sciences, social sciences, and humanities, Organized and systematic activities closely related to health, development, dissemination and application.

Note. Science and technology activities are divided into three categories. research and development activities, research and development results application activities, and science and technology service activities.

3.2 Science and technology evaluation Follow certain guidelines, use standardized procedures and scientific methods, and carry out professionalization of scientific and technological activities and related behaviors and elements Evaluation and consulting activities. Note

1. In a broad sense, scientific and technological evaluation includes various evaluation, review and review activities related to scientific and technological activities carried out by evaluation agencies or expert groups. Narrow science and technology review Evaluation specifically refers to various evaluation activities related to scientific and technological activities carried out by evaluation agencies. Note

2. Science and technology evaluation provides services for the government and all parties in the society to optimize science and technology management and decision-making, rationally allocate resources, strengthen guidance, incentives, supervision and accountability, and improve Provide reference and basis for the implementation effect of high-tech activities.

3.3 Science and technology evaluation standardization In order to obtain the best order in the field of science and technology assessment, promote common benefits, establish common use and repetition of actual or potential problems Terms of use and activities of preparing, publishing and applying documents. [Source: GB/T 20000.1-2014, 3.1, with modification]

3.4 Science and Technology Evaluation Standard science and technology evaluation standard

Through standardization activities, and in accordance with the prescribed procedures, they are formulated by consensus to provide rules and guidelines for various scientific and technological evaluation activities or their results Or features, files for common use and repeated use. [Source: GB/T 20000.1-2014, 5.3, with modification]

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