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NATIONAL STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

GB/T 30949-2025

Replacing GB/T 30949-2014

Specification for the post-evaluation of water saving irrigation projects

节水灌溉项目后评价规范

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Standardization Administration of the PRC

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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. This document replaces GB/T 30949-2014 "Post-evaluation Specification for Water-Saving Irrigation Projects". Compared with GB/T 30949-2014, except for the structure... Aside from adjustments and editorial changes, the main technical changes are as follows:

a) The "General Requirements" have been revised (see Chapter 4, Chapter 4 of the.2014 edition);

b) Added evaluation requirements for the compliance and rationality of the scheme in the "Process Evaluation" [see 7.2b)]; added evaluation of the project completion status. Requirements [see 7.3c];

c) Change "Target Evaluation" to "Effect Evaluation" (see Chapter 8,

10.2 of the.2014 edition), and modify the agricultural aspect of "Target Evaluation". Evaluation requirements for water conservation, increased production and income, land and fertilizer conservation, energy conservation and labor conservation, etc. (see Chapter 8,

8.3 of the.2014 edition);

d) The requirements for soil environmental impact assessment and soil and water conservation assessment in the "Impact Assessment" section have been revised [see 9.3b],.2014 version. 9.2b), 9.3];

e) The "Sustainability Assessment" has been amended (see Chapter 10,.2014 edition, 10.3);

f) Add an appendix "Post-evaluation indicators and key points of water-saving irrigation projects" (see Appendix A). 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 Ministry of Water Resources. This document was drafted by: China Irrigation and Drainage Development Center, China Association for Agricultural Water Conservation and Rural Water Supply Technology, and the National Agricultural Technology Extension Center. Service Center, Zhejiang Provincial Institute of Water Resources and Estuaries (Zhejiang Provincial Marine Planning and Design Institute), China Agricultural University, North China University of Water Resources and Electric Power Institute of Farmland Irrigation, Chinese Academy of Agricultural Sciences The main drafters of this document are. Gu Tao, Han Zhenzhong, Wu Yuqin, Xu Lei, Wang Xinghui, Du Sen, Li Yunkai, Zheng Shizong, Wu Feng, Fan Yongshen, and Yang Peng. The release history of this document and the document it replaces is as follows:

---First published in.2014 as GB/T 30949-2014;

---This is the first revision. Post-evaluation standards for water-saving irrigation projects

1 Scope

GB/T 30949-2025 is the Chinese national standard covering checking afterwards whether an irrigation efficiency project actually saved water - the water measured before and after, the yield and income effects, the state of the works some years on, and the rebound where farmers simply irrigated more land. It replaces GB/T 30949-2014, under the Ministry of Water Resources, and belongs with the irrigation quota guideline GB/T 29404-2025. It was issued on 31 December 2025 and has been in force since 1 July 2026, replacing GB/T 30949-2014. The document is under the responsibility of the Ministry of Water Resources. This page is published from the official record of the 2025 edition; the clause text of a standard this recent is not yet in circulation, and the figures, limits and tables it contains are those of the document itself, delivered in full with the English translation.

This document specifies the general requirements for post-evaluation of water-saving irrigation projects, as well as the evaluation organization, evaluation data, process evaluation, target evaluation, and impact assessment. The content and requirements of impact assessment, sustainability assessment, comprehensive assessment, and assessment report. This document applies to the post-evaluation of water-saving irrigation

projects.

2 Normative references

The contents of the following documents, through normative references within the text, constitute essential provisions of this document. Dated citations are not included. For references to documents, only the version corresponding to that date applies to this document; for undated references, the latest version (including all amendments) applies. This document.

GB/T 50363 Technical Standard for Water-Saving Irrigation Engineering SL

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3 Terms and Definitions

The following terms and definitions apply to this document.

3.1 Projects aimed at improving irrigation water efficiency and effectiveness, with water-saving irrigation engineering and management measures as the main construction content.

3.2 Postevaluation For projects that have been completed and accepted, or projects that have not undergone completion acceptance but whose main structure has been completed and put into use for more than one year, compare them with the project's establishment and construction... The relevant documents and materials were reviewed, and the actual results achieved after the project was completed were compared and analyzed with the initially determined goals to summarize the experience and lessons learned. Effective measures and suggestions for improvement are proposed.

3.3 Process evaluation Based on the analysis of the status of each stage of the project, the following assessments are made regarding whether the project implementation process is carried out as planned, the management level of the project implementation process, and the work... Evaluations will be made regarding the quality of the work.

3.4 economic evaluation By analyzing and calculating the costs and benefits of a project, its economic rationality and financial compliance can be evaluated.

3.5 Impact evaluation The project's economic, environmental, and social impacts are evaluated using both quantitative and qualitative methods.

3.6 The project's sustainable development capacity is evaluated based on information and data available at the post-evaluation point.