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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 46450-2025

**Directives for comprehensive assessment of losses from
particularly major natural disasters**

特别重大自然灾害损失综合评估导则

Issued on: October 5, 2025

Implemented on: February 1, 2026

**Issued by: State Administration for Market Regulation;
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. 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

by the Ministry of Emergency Management of the People's Republic of China. This document is under the jurisdiction of the National Technical Committee on Standardization of Emergency Management and Disaster Reduction and Relief (SAC/TC307). This document was drafted by: National Disaster Reduction Center of the Ministry of Emergency Management, Beijing Normal University, China Agricultural University, Central China Normal University, and Shenzhen Municipality. Urban Public Safety Technology Research Institute Co., Ltd. The main drafters of this document are: Wu Wei, Nie Juan, Shi Peijun, Gao Yucheng, Wang Dandan, Fang Weihua, Liu Meiyu, Wang Xi, Guo Guizhen, Fei Wei, and Liu Lianyou. Li Ning, Wang Ming, Huang Jianxi, Wu Hao, Jiao Yuanyuan.

With global warming, extreme weather events are becoming more intense, severe, and frequent, and the suddenness, abnormality, and extreme nature of disasters are becoming increasingly apparent, leading to greater natural disaster recurrence. The synergistic effect of natural disasters is becoming increasingly significant, further increasing the risk of major natural disasters and the difficulty of emergency response. In recent years, a series of special... The occurrence of major natural disasters not only severely impacts the safety of people's lives and property and the order of production and daily life, but also highlights the need for special... The necessity and importance of comprehensive assessment of losses from major natural disasters. Comprehensive assessment of losses from particularly severe natural disasters is an important basis for verifying the disaster situation, carrying out disaster relief and assistance, and formulating post-disaster recovery and reconstruction plans. The Regulations on Natural Disaster Relief stipulate that after the disaster situation stabilizes, the people's government at or above the county level in the affected area, or the people's government's emergency natural disaster relief mechanism, shall provide assistance. The comprehensive coordination agency shall assess, verify, and publish information on natural disaster losses. For particularly severe natural disasters, the "National Natural Disaster Relief..." The emergency response plan requires that, after the disaster situation stabilizes, emergency management should, in accordance with the unified deployment of the CPC Central Committee and the State Council regarding disaster assessment and reconstruction, [follow the instructions of the relevant authorities]. The Ministry, in conjunction with relevant departments of the State Council, guided the people's governments of the affected provinces (autonomous regions and municipalities) to organize and carry out comprehensive assessments of disaster losses, in accordance with relevant regulations. The relevant regulations stipulate that disaster loss information should be released in a unified manner. This document aims to standardize the comprehensive assessment of losses from particularly severe natural disasters and guide the scientific assessment of disaster extent and physical damage. Estimating and assessing direct economic losses will improve the scientific rigor and standardization of comprehensive assessments of losses from particularly severe natural disasters, thus providing a basis for disaster assessment, disaster relief, and rescue efforts. It provides important support for disaster relief and post-disaster recovery and reconstruction planning, and improves the

level of disaster management. Guidelines for Comprehensive Assessment of Losses from Particularly Serious Natural Disasters

1 Scope

GB/T 46450-2025 is the Chinese national standard covering putting a figure on what a major disaster destroyed - the direct losses to housing, infrastructure, agriculture and industry, the indirect losses from interrupted production, the survey and the valuation methods, and the reporting the recovery funding rests on. First edition, under the Ministry of Emergency Management. In force from 1 February 2026. Issued on 5 October 2025, it has been in force since 1 February 2026.

This document stipulates the principles, content, process, and methods for comprehensive assessment of direct losses from particularly serious natural disasters. This document applies to relevant departments and institutions conducting comprehensive assessments of direct losses from particularly serious natural disasters.

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 26376-2010 Basic Terminology for Natural Disaster Management

3 Terms and Definitions

The terms and definitions defined in GB/T 26376-2010, as well as the following terms and definitions, apply to this document.

3.1 Natural disaster Events or phenomena caused by natural factors that damage human life, property, social functions, and the ecological environment.

Note. This includes meteorological disasters, earthquake disasters, geological disasters, marine disasters, biological disasters, forest or grassland fires, etc. [Source: GB/T 26376-2010, 2.1]

3.2 According to the "National Natural Disaster Relief Emergency Plan," if the losses suffered in a province (autonomous region, or municipality) reach the level required to activate the national natural disaster relief emergency plan, then... Rescue and relief for natural disasters that meet the criteria for a Level I emergency response.

3.3 disaster area Areas directly affected by natural disasters.

3.4 direct loss The physical damage and corresponding economic losses caused by natural disasters themselves.

3.5 Natural disasters directly impact housing and household property, agriculture, forestry, animal husbandry and fisheries, industry, services, infrastructure, public services, resources and the environment. The quantity of physical losses suffered by various disaster-bearing entities in the environment and other fields under different degrees of damage.

3.6 Replacement price Repurchase using the same materials, construction or manufacturing standards, design, specifications and technology as the damaged entities, at current price levels. The cost of materials and labor required to build a completely new physical object identical to the damaged statistical object.

Note. Replacement price does not take into account land price.