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

**GB/T 47053-2026**

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**Forest and grassland fire shelter**

森林草原避火罩

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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 National Forestry and Grassland Administration. This document is under the jurisdiction of the National Technical Committee on Standardization of Forest and Grassland Fire Prevention (SAC/TC523). This document was drafted by: Heilongjiang Provincial Forestry Protection Research Institute, Heilongjiang Provincial Forestry and Grassland Survey and Planning Institute, and Heilongjiang Provincial Timber Research Institute. Scientific Research Institute, Heilongjiang Provincial Institute of Natural Resources Rights Survey and Monitoring, Heilongjiang Academy of Forestry Sciences, Guangdong Ruijie Safety Technology Co., Ltd. Company, Heilongjiang Provincial Forestry and Grassland Bureau, Spectrum Safety Protection Technology (Guangzhou) Co., Ltd., Guangdong Langgu Industrial Co., Ltd., Northeast Forestry University Forestry, National Forestry and Grassland Administration Key State-owned Forest Area Forest Resources Monitoring Center, Harbin Xinzhi Tuhong Technology Development Co., Ltd., Heilongjiang Province Lockefele Technology Development Co., Ltd., Jiangsu Aoshen New Material Co., Ltd., Nantong University, Hangzhou Saigumai Yongsheng Textile Co., Ltd. Huake Instruments (Tianjin) Co., Ltd. The main drafters of this document are. Zhao Nan, Li Ang, Xu Zhifeng, Wang Zhiyong, Ping Xiaofan, Pan Yufeng, Xu Meng, Liu Yanhong, Bai Yu, Song Jinjun, and Li Cunyu. Following Dan, Ma Yang, Cai Zhiyong, Feng Yi, Jin Song, Bian Zixi, Cai Weijie, Huang Chunhua, Hua Sha, Sun Long, Yan Ping, Zhai Shen, Chang Chensheng, Xia Yanmao, Sun Qilong, Li Wenjun, Zhao Fei, Ma Ling. Forest and grassland fire shelter

## 1 Scope

GB/T 47053-2026 is the Chinese national standard covering the fire shelter - the reflective tent a firefighter deploys and lies under when a fire overruns them, the last resort of wildland firefighting, with the radiant and convective heat it must resist and the time it must buy. This is a piece of equipment whose performance is measured in survivals. First edition, in force since 1 May 2026. It was issued on 28 January 2026 and has been in force since 1 May 2026, as a first edition. The document is under the responsibility of the National Forestry and Grassland Administration. This page is published from the official record of the 2026 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 models, specifications, technical requirements, inspection rules, markings, and labels for forest and grassland fire shields (hereinafter referred to as "fire shields"). The accompanying documentation, packaging, transportation, and storage, along with the corresponding test methods, are described. This document applies to the design, production, and inspection of fire shields.

## 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 191 Packaging and Storage Graphic Symbols

GB 2890-2022 Respiratory Protective Self-priming Filtering Gas Mask

GB/T 3917.3-2025 Textiles - Tear Properties of Fabrics - Part

## 3 Terms and Definitions

The following terms and definitions apply to this document.

3.1 Enclosed or semi-enclosed protective covers made of multiple layers of high-temperature resistant and flame-retardant materials can withstand the convective heat and high-temperature radiation from forest and grassland fires. The threat of heat and smoke to personal safety can provide temporary shelter for forest and grassland firefighters or trapped individuals.

3.2 Cover surface layer The outer layer of the fire shield, which directly faces the fire, is made of flame-retardant, high-temperature resistant, and heat-reflecting materials,

providing instantaneous flame retardancy, resistance to high-temperature radiant heat, and heat shielding.

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