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PEOPLE'S REPUBLIC OF CHINA**

GB/T 47058-2026

**Technical specification for video monitoring systems for forest
and grassland fire prevention**

森林草原防火视频监控系统技术规范

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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: Zhonglin Xinda (Beijing) Technology Information Co., Ltd., Northeast Forestry University, and the National Forestry and Grassland Administration. Survey and Planning Institute, National Forestry and Grassland Administration, Shenzhen Zhuoshida Technology Information Co., Ltd., Forest Ecology of Chinese Academy of Forestry Institute of Environment and Nature Conservation, Beijing Forestry University, Huawei Technologies Co., Ltd., Wuhan Doppler Technology Co., Ltd., Science and Technology of China University, Hangzhou Hikvision Digital Technology Co., Ltd., Vimicro Technology Co., Ltd., Qingdao Haohai Network Technology Co., Ltd. Company, Beijing Continental Kangteng Technology Co., Ltd., Beijing Chuanyejiahe Technology Development Co., Ltd., Hunan Zhongruan Information System Co., Ltd. Beijing Ouyuanzhi Technology Co., Ltd., Hainan Branch of China Tower Corporation Limited, Hebei Branch of China Tower Corporation Limited Company, Guangdong Branch of China Tower Corporation, Chongqing Forest and Grassland Fire Prevention and Early Warning Monitoring Center, Beijing Zhongke Hope Software Joint-stock company, Nanjing Zunshi Software Technology Co., Ltd., Beijing Jinlin Weiye Technology Co., Ltd., and Chongqing Fupeihe Technology Co., Ltd. The main drafters of this document are. Wang Shengjie, Wu Tong, Yang Guang, Li Jie, Zou Quancheng, Zhang Liang, Wang Haolun, Huang Yanjin, Wang Mingyu, Liu Xiaodong, and Zhang Qiwei. Sun

Guoqiang, Zhang Qixing, Mao Jieguan, Shi Qingping, Pang Zenglun, Zhang Deyi, Duan Ran, Mao Xianru, Zhang Ziqiang, Han Shiguang, Ding Hongtao, Qiu Yongquan, Wang Pengran, Gong Yuxuan, Feng Xiaoqiang, Liu Lei, Fu Chunqiu. Technical Specifications for Forest and Grassland Fire Prevention Video Monitoring System

1 Scope

GB/T 47058-2026 is the Chinese national standard covering the tower-mounted cameras that watch for smoke over a forest - the optical and thermal imaging, the scanning pattern, the automatic smoke recognition and its false alarm rate, and the localisation of a detected plume. First edition, in force since 1 May 2026, the companion of GB/T 47049-2026. 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 composition, functional requirements, and performance requirements of forest and grassland fire prevention video monitoring systems, and describes the corresponding test methods. This document applies to the design and testing of forest and grassland fire prevention video monitoring systems (hereinafter referred to as "monitoring systems").

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 2423.1 Environmental testing of electrical and electronic products - Part

3 Terms, Definitions and Abbreviations

3.1 Terms and Definitions The following terms and definitions apply to this document.

3.1.1 A smoke and fire identification video surveillance device with all-weather automatic cruise, intelligent detection and automatic alarm functions.

3.1.2 Horizontal angle The angle between the projection of the optical axis of the front-end monitoring equipment onto the horizontal plane and the due north direction.

3.1.3 Pitch angle The angle between the optical axis of the front-end monitoring equipment in the vertical direction and the horizontal plane.