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

GB/T 46357-2025

**Testing specifications for video and image information
integrated application system software for public security**

公共安全视频图像信息综合应用系统软件测试规范

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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 Ministry of Public Security of the People's Republic of China. This document is under the jurisdiction of the National Technical Committee on Standardization of Security and Alarm Systems (SAC/TC100). This document was drafted by: the Security and Police Electronic Products Quality Inspection Center of the Ministry of Public Security, the First Research Institute of the Ministry of Public Security, and Zhejiang Liyuan Technology Co.,

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1 Scope

GB/T 46357-2025 is the Chinese national standard covering testing the platform software - the functional cases against the interface requirements, the performance under the load a city produces, the reliability over a sustained run, the security tests, and the report that decides acceptance. At 21,000 words. First edition, alongside the interface requirements GB/T 46363-2025. In force from 1 May 2026. Issued on 5 October 2025, it has been in force since 1 May 2026.

This document specifies the basic requirements for software testing of the integrated application system for public security video image information, establishes the testing process, and describes... Methods for functional testing, performance testing, and other tests. This document applies to the evaluation of software for integrated application systems of public safety video image information in laboratory environments and engineering sites.

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 25000.51-2016 Systems and Software Engineering - System and Software Quality Requirements and Evaluation (SQuaRE) - Part 51. Quality requirements and testing guidelines for Ready-to-use Software Products (RUSP)

GB/T 28181-2022 Technical Requirements for Information Transmission, Exchange and Control of Public Security Video Surveillance Network Systems

GB 37300-2018 Specification for Video Image Information Collection in Key Areas of Public Security

GB/T 46344.2-2025 Public Security Video Image Analysis System - Part

3 Terms and definitions, abbreviations

3.1 Terms and Definitions The terms and definitions defined in GB/T 28181-2022, GB/T 46363-2025 and

GB/T 46362-2025, as well as the following terms and definitions, apply. In this document.

4 Technical Requirements for Video Image Retrieval

GB/T 46344.5-2025 Public Security Video Image Analysis System - Part

5 Inspection Specifications

GB/T 46358-2025 Technical Requirements for Operation and Maintenance Management Platform of Public Security Video Image Information Network Application

GB/T 46361-2025 General Requirements for the Application of Networked Sharing of Public Security Video Image Information

GB/T 46362-2025 Technical Requirements for Integrated Application Systems of Public Security Video Image Information

GB/T 46363-2025 Technical Requirements for Integrated Application Service Interface of Public Security Video Image Information IETF RFC 2030 Simple Network Time Protocol version 4 for IPv4, IPv6 and OSI