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

GB/T 44344-2024

**Operation and maintenance specification for cloud platform of
geographic spatiotemporal information**

地理时空信息云平台运行维护规范

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Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for standardization work Part

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1 Scope

GB/T 44344-2024 is the Chinese operation and maintenance specification for geographic spatiotemporal information cloud platforms, the provincial and municipal platforms that publish base mapping, imagery, addresses and real-time location data as services to

government departments and to the public. They are infrastructure rather than projects: hundreds of applications depend on them, the data behind them updates continuously, and the platforms carry data whose accuracy and availability have legal consequences. The standard sets the operation and maintenance framework and then the requirements: the organisation and the responsibilities, the service level and its monitoring, the operation of the infrastructure, the data update and the version and quality management of the published data, the service catalogue and interface management, the user and access management, the security operation including the classified protection obligations that geographic data carries in China, the fault handling and the emergency response, the backup and continuity, and the assessment and improvement of the service. It took effect on 23 August 2024.

This document specifies the operation and maintenance content and organization of the geographic spatiotemporal information cloud platform, the operation and maintenance management system content, the basic operating environment operation and maintenance, and the software Software system operation and maintenance, data operation and maintenance, security and emergency response, and operation and maintenance report writing. This document applies to the operation and maintenance of the geographic spatiotemporal information cloud platform environment, software, data, and security.

2 Normative references

The contents of the following documents constitute the essential clauses of this document through normative references in this document. For referenced documents without a date, only the version corresponding to that date applies to this document; for referenced documents without a date, the latest version (including all amendments) applies. in this document.

GB/T 2887 General Specification for Computer Sites

GB/T 18316 Quality inspection and acceptance of digital surveying and mapping results

GB/T 29765 Information security technology - Technical requirements and test evaluation methods for data backup and recovery products

GB/T 33173 Asset Management Management System Requirements

GB/T 37118 Geographic Entity Spatial Data Specification

GB/T 42528 Technical Specification for Spatiotemporal Big Data

GB/T 51314 Data Center Infrastructure Operation and Maintenance Standard

3 Terms and definitions

The following terms and definitions apply to this document.

3.1 cloud platform of geographic spatiotemporal information Based on geographic spatiotemporal big data and supported by cloud computing environment, it relies on the network to aggregate information resources in a distributed manner and provide computing services on demand. A basic open information system that integrates computing, storage, data, interfaces, functions and knowledge services.

3.2 big data of spatiotemporal information It has the basic characteristics of big data and describes the temporal, spatial and thematic characteristics of geographic entities or the spatiotemporal processes such as business management and life services. Dataset with status. [Source GB/T 42528-2023, 3.1]

3.3 emergency event Causes or is about to cause interruption of operation and degradation of operation quality of the geographic spatiotemporal information cloud platform operation and maintenance service objects, and requires implementation of key The operation and maintenance events guaranteed by the segment. [Source: GB/T 28827.3-2012, 3.2, modified]