

ICS 07.040
CCS A 76



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

GB/T 44977-2024

**Specification for security of positioning service terminal of
reference stations using global navigation satellite system**

卫星导航定位基准站网终端定位服务安全技术规范

Issued on: November 28, 2024

Implemented on: June 1, 2025

**Issued by: State Administration for Market Regulation;
Standardization Administration of the PRC**

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Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for standardization work Part 1: Structure and drafting rules for standardization documents" Drafting is required.

Please note that some of the contents of this document may involve patents. The issuing organization of this document does not assume the responsibility for identifying patents.

This document is proposed by the Ministry of Natural Resources of the People's Republic of China.

This document is under the jurisdiction of the National Technical Committee on Geographic Information Standardization (SAC/TC 230).

This document was drafted by: National Basic Geographic Information Center, Jiangsu Institute of Surveying and Mapping, Guangxi Zhuang Autonomous Region Natural Resources Information Center Center, Shanxi Institute of Surveying, Mapping and Geographic Information, Hunan Institute of Surveying and Mapping Technology, Liaoning Natural Resources Affairs Service Center, Liaoning Natural Resources Department of Surveying, Mapping and Design Institute of Beijing.

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Satellite navigation positioning base station network terminal positioning service Safety technical specifications

1 Scope

This document specifies the basic principles, overall framework, service information and terminal security positioning services of satellite navigation and positioning base station

network terminals.

Information, data transmission security channel establishment, terminal access authentication, data encryption and decryption, operation and maintenance management and terminal testing.

This document is applicable to the development of satellite navigation and positioning base station network terminals, system operation and maintenance, and service applications.

2 Normative references

GB/T 28588

GB/T 35767

GB/T 35769

GB/T 39615

GB/T 39618

GB/T 39786

3 Terms and definitions

The following terms and definitions apply to this document.

3.1 [Source. GB/T 39611-2020, 2.1]

global navigation satellite system reference station; GNSS reference station Conduct long-term continuous observation of satellite navigation signals to obtain observation data, and transmit the observation data to the Ground fixed observation station at the data center.

3.2 GNSS reference station network

It consists of several satellite navigation and positioning base stations, data centers and data communication networks, which are used to provide data, positioning, navigation, timing, location, Systems that provide services such as location, meteorology, and earthquake.

[Source. GB/T 39611-2020, 2.2]

3.3 Data Center

It consists of servers, network equipment, professional software systems and computer rooms, and has data management, data processing and analysis, and product services.