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

GB/T 15966-2017

Replacing GB/T 15966-2007

**Primary parameters and general technical conditions for
hydrologic instruments**

水文仪器基本参数及通用技术条件

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Quarantine of the People's Republic of China;
Standardization Administration of China**

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Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009. This standard replaces GB/T 15966-2007 "Basic parameters of hydrological equipment and general technical conditions", GB/T 18522.1-2003 "Hydrology General principles of equipment Part 1. General ", GB/T 18522.2-2002" General Principles of Hydrological Instruments Part 2. Reference working conditions " GB/T 18522.3-2001 "General principles of hydrological instruments - Part 3. Basic performance and its representation", GB/T 18522.4-2002 "Hydrology General principles of equipment Part 4. Basic requirements for structure ", GB/T 18522.6-2007" General principles of hydrological equipment - Part 6. Inspection rules and standards Packaging, transportation, storage, user manual "and GB/T 27993-2011" water level measuring instruments General technical conditions. " This standard to GB/T 15966-2007 based, integrated GB/T 18522.1-2003, GB/T 18522.2-2002, GB/T 18522.3-2001, GB/T 18522.4-2002, GB/T 18522.6-2007 and GB/T 27993-2011 part of the content, and GB/T 15966-2007 In addition, editorial changes in addition to the main technical changes are as follows:

- Removed the "instrument classification and model named" (2007 edition of Chapter 4);
- Added "General Provisions" chapter, the merger of GB/T 18522.1-2003, GB/T 18522.3-2001 part (see 4 chapters);
- Delete the basic parameters of the table on the "allowable error" content (2007 edition of Chapter 5);
- Modify the water quality monitoring equipment, the main provisions of the basic parameters of online monitoring equipment, and add monitoring elements (see 5.10.2, 2007 version 5.10.2);
- Removed the "automated monitoring system equipment", the relevant content will be incorporated into Chapter 6 of the corresponding section, only the provisions of the telemetry terminal (see 6. 17,.2007 edition of 5.12);
- Remove the basic parameters of "other" type of instrument (2007 version 5.16);
- Modify the "general technical conditions" of the bar structure, for each type of

hydrological apparatus, provides the main performance or typical indicators to Seeking and incorporating part of GB/T 18522.2-2002, GB/T 18522.4-2002, GB/T 27993-2011 part (See Chapter 6, Chapter 6 of the.2007 edition);

--- Modify the standard framework, the GB/T 18522.6-2007 into the "test rules and signs, packaging, transport, storage" (see Chapter 8, Chapter 9 and Chapter 10, Chapter 8 of the.2007 edition). This standard is proposed and managed by the Ministry of Water Resources of the People's Republic of China. This standard was drafted by the Ministry of Water Resources Hydrological Instruments and Geotechnical Engineering Quality Supervision and Testing Center, Jiangsu Nanshui Technology Co., Ltd. Division, Ministry of Water Resources Nanjing Institute of Hydraulic and Hydraulics Automation. The main drafters of this standard. Zhang Liming, Xu Haifeng, Zhang stay column, the original Jin Yong, Niu Ruiping, Guo Wei, Guo Yin, Wu Xiao Kai, Fu Weijie, Chen Zhongyuan. This standard replaces GB/T 15966-2007, GB/T 18522.1-2003, GB/T 18522.2-2002, GB/T 18522.3- 2001, GB/T 18522.4-2002, GB/T 18522.6-2007 and GB/T 27993-2011. GB/T 15966-2007 previous version of the release.

--- GB/T 15966-1995. GB/T 18522.1-2003 the previous version of the release.

--- GB/T 9359.1-1988. GB/T 18522.2-2002 previous version of the release.

--- GB/T 9359.2-1988. GB/T 18522.3-2001 the previous version of the release.

--- GB/T 9359.3-1988. GB/T 18522.4-2002 previous version of the release.

--- GB/T 9359.4-1988. GB/T 18522.6-2007 the previous version of the release.

1 Scope

GB/T 15966-2017 is the Chinese national standard on primary parameters and general technical conditions for hydrologic instruments, in the field of natural and applied sciences. The /T suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers meet it. It was issued on 1 November 2017 by the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China; Standardization Administration of China, and has been in force since 1 May 2018. Classification: ICS 07.060, CCS N93. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This standard specifies the basic parameters of hydrological instruments, general technical conditions, the main content of test methods and inspection rules, signs and General specifications for instructions, packaging, shipping and storage. This standard applies to the

development of hydrological equipment products, design, production, use and preparation of specific product standards.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version applies to this article Pieces. For undated references, the latest edition (including all amendments) applies to this document.

GB/T 191 Packaging - Pictorial signs

GB/T 321 priority number and priority number system

GB/T 788 books and magazines open format and format size

GB/T 4208 enclosure protection (IP code)

GB/T 6388 transport packaging shipping symbols

GB/T 9359 hydrological equipment basic environmental test conditions and methods

GB/T 9969 Industrial Products Manual General

GB/T 13264 small batches of nonconforming sample count sampling procedures and sampling tables

GB/T 13336 Hydrology Series type spectrum

GB/T 13384 mechanical and electrical product packaging General technical conditions

GB/T 17626.5-2008 Electromagnetic compatibility test and measurement techniques surge (impact) immunity test

GB/T 17626.8 Electromagnetic compatibility test and measurement techniques Power frequency magnetic field immunity test Hydrological equipment

GB/T 18185 reliability requirements

3 Terms and definitions

GB/T 50095, JJF1001 defined terms and definitions apply to this document.