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

GB/T 13729-2019

Replacing GB/T 13729-2002

Remote terminal unit equipment

远动终端设备

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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 13729-2002 "Remote Terminal Equipment". Compared with GB/T 13729-2002, the main technical changes are as follows:

- Update the standards referenced in the normative references to the latest standard documents (see Chapter 2, Chapter 2 of the.2002 edition);
- Added terms and definitions (see Chapter 3);
- Added abbreviations (see Chapter 4);
- Added support for DL/T 860 (see 5.5.1, 5.5.2, 5.5.4, and 5.5.6,.2002 version 3.5.1, 3.5.2, 3.5.4 and 3.5.6);
- Change "Fault Current" to "Allow Over Input" and add "Table 10 Short Time Over Input" (see 5.5.3,.2002 Edition) 3.5.3);
- Improved resolution requirements in the event recording station (see 5.5.4, 3.5.4 of the.2002 version);
- Increased performance requirements for Ethernet interfaces (see

5.5.7.2 and 5.5.7.3). Please note that some of the contents of this document may involve patents. The issuing organization of this document is not responsible for identifying these patents. This standard was proposed by the China Electricity Council. This standard is under the jurisdiction of the National Power System Management and Information Exchange Standardization Technical Committee (SAC/TC82). This standard was drafted. State Grid Electric Power Research Institute Co., Ltd., Guodian Nanrui Technology Co., Ltd., China Electric Power Science Research Institute Co., Ltd., State Grid Co., Ltd. National Electric Power Dispatching Control Center, State Grid Jiangsu Electric Power Co., Ltd. Electric Power Research Institute, China State Southern Power Grid Co., Ltd. System Operation Department (Power Dispatching Control Center), State Grid Jilin Electric Power

Co., Ltd., State Grid Zhejiang Power Co., Ltd., Xuji Electric Co., Ltd., State Grid Hubei Electric Power Co., Ltd. Electric Power Research Institute, Shanghai Siyuan Hongrui Automation Limited company. The main drafters of this standard. Zhou Bin, Lu Tianjian, Li Jinsong, Wang Yongfu, Yuan Yubo, Shi Yuxiang, Zhang Ximing, Yang Song, Du Qiwei, Liao Zeyou, Chen Hong, Hu Daoxu. The previous versions of the standards replaced by this standard are.

---GB/T 13729-1992, GB/T 13729-2002. Telecontrol terminal equipment

1 Scope

GB/T 13729-2019 is the Chinese national standard on remote terminal unit equipment, in the field of electrical engineering. 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 4 June 2019 by the State Administration for Market Regulation; Standardization Administration of China, and has been in force since 1 January 2020. Classification: ICS 29.240.01, CCS F21. 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 technical requirements, test methods, inspection rules, marking, packaging, transportation and storage, equipment supply and equipment of telecontrol terminal equipment. Guarantee period. This standard applies to all kinds of telecontrol terminal equipment (hereinafter referred to as equipment), substation, power plant measurement and control unit and data forwarding equipment can also participate Use as directed.

2 Normative references

The following documents are indispensable for the application of this document. For dated references, only dated versions apply to this article. Pieces. For undated references, the latest edition (including all amendments) applies to this document.

GB/T 191 packaging storage and transportation icon

GB/T 2421.1 Overview and Guide for Environmental Testing of Electrical and Electronic Products

GB/T 2423.1 Environmental testing of electrical and electronic products - Part 2. Test methods Test A. Low temperature

GB/T 2423.2 Environmental testing of electrical and electronic products - Part 2. Test methods Test B. High temperature

GB/T 2423.3 Environmental testing - Part 2. Test method test Cab. constant damp heat test

GB/T 2887 General Specification for Computer Sites

GB/T 4208 enclosure protection grade (IP code)

GB/T 9361 computer site safety requirements

GB/T 15153.1-1998 Telecontrol equipment and systems - Part 2. Working conditions - Part 1. Power supply and electromagnetic compatibility

GB/T 15153.2-2000 Telecontrol equipment and systems - Part 2. Working conditions - Part 2. Environmental conditions (climate, mechanical and Other non-electrical factors)

GB/T 16435.1 Telecontrol equipment and system interface (electrical characteristics)

GB/T 17626.3 Electromagnetic compatibility test and measurement technology RF electromagnetic field radiation immunity test

GB/T 17626.4 Electromagnetic compatibility test and measurement technology Electrical fast transient burst immunity test

3 Terms and definitions

The following terms and definitions defined in DL/T 860 (all parts) apply to this document.