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

GB/T 22071.2-2017

Replacing GB/T 22071.2-2008

**Test guide for instrument transformers - Part 2: Inductive
voltage transformers**

互感器试验导则 第2部分：电磁式电压互感器

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Foreword

GB/T 22071 "Transformer Test Guidelines" is divided into the following sections.

--- Part 1. Current Transformer;

--- Part 2. Electromagnetic voltage transformers. This section GB/T 22071 Part 2. This section drafted in accordance with GB/T 1.1-2009 given rules. This Part replaces GB/T 22071.2-2008 "Transformer Test Guidelines Part 2. Electromagnetic Voltage Transformer", and GB/T 22071.2-2008 compared to the main technical changes are as follows:

--- Modify the normative references (see Chapter 2 and GB/T 22071.2-2008 Chapter 2);

--- List the specific pilot project (see Table 1);

--- Improve the test sequence, and give the test sequence diagram (see Figure 1 and GB/T 22071.2-2008 3.2);

--- The relevant pilot projects, test requirements and test methods have been refined and supplemented (see

3.1 and Chapter 5, Chapter 6, paragraph 7 chapters);

--- Increased the system nominal voltage of 750kV and 1000kV transformer test requirements (see Table 5). This part is proposed by China Electrical Equipment Industry Association. This part of the National Standardization Technical Committee transformer (SAC/TC222) centralized. This part of the drafting unit. Shenyang Transformer Research Institute Co., Ltd., China Electric Power Research Institute, Dalian first transformer limited liability Any company, Zhejiang Skyriver Transformer Co., Ltd., Dalian North Transformer Group Co., Ltd., TBEA Kangjia (Shenyang) transformer limited liability Any company, Jiangsu Jingjiang Transformer Co., Ltd., Zhongshan City, Taifeng Electric Co., Ltd., China Guangdong Electric Co., Ltd., Hunan Electric Power Porcelain Electric Co., Ltd., Ningbo three love mutual inductor Co., Ltd., Hengyang Huarui Electric Co., Ltd., State Grid Jilin Electric Power Co., Ltd. Branch Institute of Science. The main drafters of this section. Zhang Xianzhong, Liu Xiang, Tong Yue, Sha Yuzhou, Xu Wen, high speed, Liu Yufeng, Xiong Jiang Yong, He Zejian, Sui Guangjun, Liu Yong, Wang Jiyuan, Li Zhaohui, Chen Wei, Zeng Xiangshun, Liu Quanren, Zhao Shixiang. This part replaces the standards previously issued

as.

--- GB/T 22071.2-2008. Transformer test guidelines Part 2. Electromagnetic voltage transformers

1 Scope

GB/T 22071.2-2017 is the Chinese national standard on test guide for instrument transformers - part 2: inductive voltage transformers, 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 29 December 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 July 2018. Classification: ICS 29.180, CCS K41. 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 section GB/T 22071 gives the electromagnetic voltage transformer test items, test sequence, the general test conditions and test requirements. This section applies to GB/T 20840.1 and GB/T 20840.3 provisions of the electromagnetic voltage transformer (hereinafter referred to as "mutual inductance Device ") type test, routine test and special test. Acceptance test as a product acceptance test can also be used in this section given the test method.

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 2421.1 Environmental testing for electric and electronic products Part 1. Overview and guidelines

GB/T 2423.17 Environmental testing for electric and electronic products Part 2. Test methods Test Ka. Salt spray

GB/T 2423.23 Environmental testing Part 2. Test methods Test Q. Seal

GB/T 4208 enclosure protection (IP code)

GB/T 4756 Petroleum liquids - Manual sampling method

GB/T 5169.2 Fire hazard testing for electric and electronic products Part 2. Fire hazard

assessment guidelines General

GB/T 5169.9 Fire hazard testing for electric and electronic products Part 9. Fire hazard assessment guidelines Preselected test procedures General

GB/T 5169.18 Fire hazard testing for electric and electronic products Part 18. Toxicity of combustion streams General

GB/T 5585.1 Copper, aluminum and alloy busbars for electricians Part 1. Copper and copper alloy busbars

GB/T 7354 partial discharge measurement

GB/T 7674 Rated voltage 72.5kV and above gas-insulated metal-enclosed switchgear

GB/T 11604 high-voltage electrical equipment radio interference test method

GB/T 16927.1 high voltage test techniques - Part 1. General definitions and test requirements

3 Pilot project and test sequence

3.1 pilot project Type test, routine test and special test items are shown in Table 1.