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CCS F25



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

GB/T 44643-2024

Specification of power emergency identification

电力应急标识规范

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Foreword

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

1. Structure and drafting rules for standardization documents" Drafting. 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 and coordinated by the China Electricity Council. This document was drafted by: State Grid Smart Grid Research Institute Co., Ltd., State Grid Corporation of China, National Energy Administration, State Grid Zhejiang Electric Power Co., Ltd., State Grid Jiangsu Electric Power Co., Ltd., State Grid Qinghai Electric Power Co., Ltd., State Grid Tianjin Electric Power Co., Ltd., State Grid Jibei Electric Power Co., Ltd. State Grid Xinjiang Electric Power Co., Ltd., State Grid Anhui Electric Power Co., Ltd., State Grid Sichuan Electric Power Co., Ltd., State Grid Gansu Electric Power Co., Ltd., China Southern Power Grid Co., Ltd. and State Grid Shandong Electric Power Company. The main drafters of this document are. Li Tao, Yu Zhen, Mi Xinhe, Wang Han, Wang Tianyu, Feng Jie, Song Yongchao, Song Xiaodong, Liu Tianzong, Zhang Miao, Zhang Yachen, Yan Jianxin, Zhang Xintao, Gan Dezhi, Ye Dailiang, Deng Chuang, Xu Xiyuan, Guo Yusong, Fang Diange, Song Kun, Cao Wei, Guan Cheng, Tang Shiyang, Zhang Zehao, Yan Yiran, Liu Zeyu, Zhang Yexin, Luo Na, Cao Junxi. Power emergency sign specification

1 Scope

GB/T 44643-2024 standardises the signs and markings used in electrical emergencies. During an incident at a substation or on a network - a fire, a flood, a storm restoration - the people arriving include crews from other regions and emergency services who are not electrical workers, working at night, under time pressure, in an installation they have never seen. What they must find immediately is where the isolation points are, which routes are safe, where equipment is staged and which areas must not be entered. If those markings differ between operators, the crews that arrive to help lose time exactly where time matters, and a firefighter can misread a boundary that separates safe from lethal. This document specifies the general requirements, the basic types and application requirements for emergency identification signs in the power industry, together with the requirements for their acceptance, inspection and maintenance - the maintenance part being what keeps a sign legible years after installation. It excludes nuclear power, which has its own regime. Under ICS 13.200 and CCS F25, it is written for grid and generation operators, for emergency services, and for the safety supervision authorities.

This document specifies the general requirements, basic types and application requirements, acceptance, inspection and maintenance of emergency signs in the power industry (excluding nuclear power). Require. This document applies to equipment, facilities, and places where power emergency signs are required.

2 Normative references

The contents of the following documents constitute 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 to This document.

GB/T 2893.1 Graphical symbols, safety colors and safety signs Part

3 Terms and definitions

The following terms and definitions apply to this document.

3.1 A logo or combination of logos used to express and convey power emergency rescue information.

3.2 The basic information that the power industry expresses and conveys to the outside world when setting up and using emergency signs.

Note. The basic information of power emergency stipulated in this document is the Chinese phrase "power emergency" or "emergency rescue".

3.3 A color system used to express and convey power safety emergency sign information.

4 Chromaticity and photometric properties of safety sign materials

GB 2894 Safety signs and their use guidelines

GB/T 10001 (all parts) Graphic symbols for public information

GB 13495.1 Fire safety signs Part

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