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

GB/T 12790-2008

Replacing GB/T 12790-1991

**Method for identification of documents related to safety class
1E equipment and systems for nuclear power plants**

核电厂安全级电气设备和系统文件标识方法

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Foreword

This standard replaces GB/T 12790-1991 "nuclear power plant safety level of electrical equipment and system files identification method." This standard compared with GB/T 12790-1991 main changes are as follows:

--- Modify the "File", the definition of the term "nuclear safety" and "redundant equipment or systems";

--- Original standard "requirements of Chapter 4," with "the requirements of Chapter 3," and part of the contents have been modified. - original "nuclear safety" to "nuclear safety related"; - original "flag" to "identify the term"; - original "detail" to "specific portion"; - original "code" to "Code";

--- Revised Appendix A in Figure A. 1 to A. 5. Appendix A of this standard is an informative annex. The standard proposed by China National Nuclear Corporation. This standard by the National Nuclear Instrument Standardization Technical Committee (SAC/TC30) centralized. This standard was drafted. Institute of Nuclear Industry Standardization. The main drafters. Zhang Jian Qing, Cui Zhen north. This standard replaces the standards previously issued as follows:

--- GB/T 12790-1991. Nuclear power plant safety level and electrical equipment File system identification method

1 Scope

GB/T 12790-2008 is the Chinese national standard on method for identification of documents related to safety class 1e equipment and systems for nuclear power plants, in the field of energy and heat transfer 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 2 July 2008 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 April 2009. Classification: ICS 27.120.20, CCS F83. 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 provides guidelines for unified logo nuclear power plant safety level of electrical equipment and systems design, construction, testing, operation and maintenance of the file. This standard applies to nuclear power plant safety level of electrical equipment and systems.

2 Terms and definitions

The following terms and definitions apply to this standard.

2.1 Reactor, a nuclear power plant safety level of electrical equipment and systems. It is the completion of the reactor scram, containment isolation, reactor core cooling And it is discharged from the containment and reactor heat is required, or prevent excessive emissions of radioactive substances to the environment are required.

2.2 Nuclear power plant safety level of electrical equipment and systems design, construction, testing, operation and maintenance of charts and other data, these charts and other resources Material from the nuclear power plant safety analysis proved to be important. This standard, the documents include.

- a) drawings, such as. instrument diagrams, logic diagrams, single line diagrams, schematics, equipment layout, cable tray layout, cabling diagram, wiring diagram;
- b) meter data table;
- c) cable laying the table;
- d) design specification;
- e) procedures manual;
- f) test (technical) specifications, procedures and reporting;
- g) list of equipment. This standard, the file does not include a schedule of work, financial reports, minutes of meetings, letters and telegrams notes and the like, as well as in quality assurance Outline includes equipment procurement documentation.

2.3 Marked in the file is used to identify the cause for the term note, indicating that the system or device that document relates to the safety level.

2.4 Two or more functionally identical device or system, any one of which can perform the required functions, but not with the rest of the device or system System status (normal or fault) irrelevant.

3 Requirements

3.1 document identification Security level of electrical equipment and systems

3.1.1 in Chapter 2 as defined in whole or part of the file should be marked "nuclear safety related" this standard Knowledge of terminology.

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