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

GB/T 22696.2-2008

**Electrical equipment safety - Risk assessment and risk
reduction - Part 2: Risk analysis and risk evaluation**

电气设备的安全 风险评估和风险降低 第2部分：风险分析和风险评价

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Foreword

GB/T 22696 "security risk assessment and risk reduction in electrical equipment" is divided into three parts.

--- Part 1. General;

--- Part 2. Risk analysis and risk assessment;

--- Part 3. dangerous, dangerous situations and examples of hazardous events. This part of GB/T 22696 Part 2. This standard is intended to provide all technical committees of professional safety standards for all types of electrical equipment used in order to help standardize professional products Applications technical committee ISO /IEC Guide 50, 51 and 71, and the program is to reduce systematic risk assessment and give practical guidance. Before the development of relevant standards in safety requirements, professional products Standardization Technical Committee has responsibility for the product considering all relevant With the implementation of this standard hazard risk assessment system. No risk assessment in product-related standards under the provisions of the manufacturer decides not to use or other relevant standards, this standard can be Manufacturers design products applied. This part of the National Electrical Safety Standardization Technical Committee (SAC/TC25) and focal points. This part mainly drafted by: Shanghai Electric Tool Research Institute, Shanghai Electrical Apparatus Research Institute (Group) Co., Ltd., Beijing Machinery Industry Electrical Technology and Economy Institute. The main drafters of this section. Libang Association, Ji Yu Hui, Fang Xiaoyan, Liu Jiang, leather bag, has hung Yan, Zhang Liang, He was the husband, Chen Kaitai. This section first release. Security risk assessment and risk reduction in electrical equipment Part 2. Risk analysis and risk assessment

1 Scope

GB/T 22696.2-2008 is the Chinese national standard on electrical equipment safety - risk

assessment and risk reduction - part 2: risk analysis and risk evaluation, 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 31 December 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 November 2009. Classification: ICS 29.020, CCS K09. 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.

1.1 section provides information on the risk analysis and risk assessment according to GB/T 22696.1-2008 electrical equipment when the risk assessment Guiding principles and implementation methods. Risk analysis includes limitations and hazards determination and identification method.

1.2 part desired by the user is to integrate safety electrical equipment design, manufacture, installation, maintenance or improvement of the designers, technical staff Or safety standards experts.

1.3 In addition to the part of security risk assessment applicable to the design stage, as well as manufacturing and commissioning process, it can also be used in electrical equipment Technological improvements in security risk assessment, or evaluation of existing electrical equipment, as well as at any time, such as accidents or so in When the barrier, risk assessment.

2 Normative references

The following documents contain provisions which, through reference

GB/T 22696 in this section constitute provisions of this section. For dated reference documents Member, all subsequent amendments (not including errata content) or revisions do not apply to this section, however, encouraged to reach under this section Parties to research agreement to use the latest versions of these documents. For undated reference documents, the latest versions apply to this section. Security risk assessment and risk reduction

GB/T 22696.1-2008 Electrical Equipment Part 1. General

GB/T 22696.3-2008 security risk assessment and risk reduction in electrical equipment - Part 3. danger, peril and danger Example risk event

3 Terms and Definitions

GB/T 22696.1-2008 and established the following terms and definitions apply to this part of the GB/T 22696 of.

3.1 Providing or integrated manufacturing systems (IMS) or the relevant part of the equipment or service entity of the system, such as designers, manufacturers, bearing Contractors, installers, integrators and so on.

4 Risk Analysis

4.1 Overview The following provisions set forth in the risk analysis process embodiment shown in GB/T 22696.1-2008 figure, the functions related to electrical equipment, Restrictions on its use, hazard identification and method, information recording, risk estimates.

4.2 determine the limits of electrical equipment

4.2.1 Overview Electrical equipment restriction is functional electrical equipment, use, foreseeable misuse, and the use and maintenance of electrical equipment to the type of environment I clear description. The foregoing description is by electrical equipment functionality and the use of electrical equipment to the actual situation to be realized.

4.2.2 Electrical equipment Electrical equipment of electric power used by a variety of parts, components, or products, its function as follows: