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

GB/T 16499-2017

**Guide for the preparation of electrical and electronic safety
publications and the use of basic safety publications and group
safety publications**

电工电子安全出版物的编写及基础安全出版物和多专业共用安全出版物的应用导
则

(English Translation)

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Foreword

This standard is drafted in accordance with the rules given in GB/T 1.1-2009.

This standard replaces GB/T 16499-2008 "Safety publications and basic safety publications and multi-disciplinary common security publications the application of the guide ", and GB/T 16499-2008 compared to the main technical changes are as follows.

--- Standard name changed to "Preparation of electrical and electronic safety publications and basic safety publications and multi-disciplinary common security publications Application guidelines ";

--- Added normative reference documents (see Chapter 2);

- modified basic security publications, multi-disciplinary security publications, product safety publications, multi-disciplinary safety functions, single failure Status, etc. (see Chapter 3);

- the term "enhanced protection" has been added (see 3.11);

- increased multi-disciplinary safety publications (see 5.1.3);

- Added some safety requirements (see 5.2.5);

- Factors that should be taken into account in the two equipment life cycles (see 5.4);

--- modified A.2 "overview";

- A.3 "Safety integration", A.4 "Electrical hazard protection", A.6.3 "Electric field, magnetic and electromagnetic fields, other ionization and non-ionization Radiation hazard ", A.6.10 "Emissions, products and/or use of hazardous substances (eg gas, liquid, dust, mist, steam) ", A.6.11 "Unmanned operation", A.6.12 "Connecting and disconnecting power", A.6.13 "Equipment combination", A.6.14 "Burst", A.6.15 "Sanitary condition" and A.8 "Information Requirements" (see Appendix A).

This standard uses the re-drafting method Reference IEC guide104..2010 "Safety publications preparation and basic safety publications and multi-disciplinary Guidelines for the Application of Common Security Publications ", which is not equivalent to the degree of

conformance with IEC guide104..2010.

This standard is proposed by the National Electrical Safety Standardization Technical Committee (SAC/TC25).

The drafting of this standard. Machinery Industry Beijing Institute of Technology and Economic Research Institute, China Testing and Certification Group Co., Ltd., Shanghai Electric Research Institute (Group) Co., Ltd., Shanghai Electric Tools Research Institute (Group) Co., Ltd., Zhejiang Zhengtai Electric Appliance Co., Ltd., Germany Electric (China) Co., Ltd. Shanghai Branch, Siemens (China) Co., Ltd.

1 Scope

This standard specifies the basis and application of electrical and electronic safety publications, including basic safety publications and multi-disciplinary safety Version. Describe the means of technical communication between a horizontal safety function or a multi-disciplinary safety function technical committee.

The "safety" covered by this standard applies to the safety of one or more of the persons involved in the person, property or environment.

Note: The publications mentioned in this standard are limited to electrical and electronic safety standard documents, see 3.1.

This standard applies to the preparation of electrical and electronic safety publications.

2 Normative reference documents

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

GB/T 20438 (all parts) Functional safety of electrical/electronic/programmable electronic safety related systems ISO/IEC Guide 51. The.2014 standard includes guidelines for the preparation of safety factors (Safetyaspects-Guidelinesfortheir inclusioninstandards)

3 Terms and definitions

ISO/IEC Guide 51..2014 and the following terms and definitions apply to this document.

Publication Standards, technical reports and guidelines.

Product

In addition to the general meaning of the product, but also the process, services and combinations.

Basic Safety Publications basicsafetypublication A specific publication on safety matters

that applies to a variety of electrical products.

Multi - professional sharing of security publications groupsafetypublication Covering all security aspects of a particular profession within the scope of two or more professional technical commissions.

Note: Multi-disciplinary safety publications are primarily used as independent professional safety publications, and the Professional Technical Committee may use it as a material in the preparation of publications Source, as described in 7.3.

Professional safety publication productsafetypublication Covering all safety aspects of a product or product within a range of technical commissions.