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

GB/T 20002.4-2015

Replacing GB/T 20000.4-2003

**Drafting for special aspects in standards -- Part 4: Safety
aspects for their inclusion in standards**

标准中特定内容的起草 第4部分：标准中涉及安全的内容

(English Translation)

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Foreword

GB/T 20002 "standard drafting specific content", GB/T 1 "Standardization Guide", GB/T 20000 "refers to standardization South ", GB/T 20001" Rules for drafting standards "and GB/T 20003" special procedures "standards together constitute support the preparation of standards Basic national standards.

GB/T 20002 "drafting standards specific content" is divided into the following sections.

- Part 1. Child Safety;
- Part 2. the elderly and needs of persons with disabilities;
- Part 3. product standards related to the contents of the environment;
- Part 4. Standard safety-related content.

This is Part 4 GB/T 20002 of.

This section drafted in accordance with GB/T 1.1-2009 given rules.

This Part replaces GB/T 20000.4-2003 "Standardization Guide Part 4. Standard safety-related content." versus GB/T 20000.4-2003 compared to the main technical changes are as follows.

- Modify the five definitions of terms, namely, "injury" "dangerous situation", "intended use" "residual risk", "protective measures" (see 3.1, 3.4,3.6,3.8,3.13, GB/T 20000.4-2003 the 3.3,3.6,3.13,3.9,3.8); the term "injury event" was changed to "Dangerous incident" (see 3.3, GB/T 20000.4-2003 3.4); adds the term "inherently safe design" and "vulnerable consumer Person "is defined (see 3.5 and 3.16);
- Added "safe" explanation (see 4.1);
- To increase the "risk factors" Discrimination statements and risk factors increased the illustrated structure (see Chapter 5);
- Deleted the "security issue" principled statement (see GB/T 20000.4-2003 5.1);

--- Increasing the definition of "tolerable risk" scale and methods (see 6.2.2 - 6.2.5), and the "tolerable risk" to adjust the content of the statement to 6.2.1 (see GB/T 20000.4-2003 5.2);

--- Adjust the "tolerable risk to achieve" structure of the content, this content is divided into "risk assessment and risk reduction cycle " can Allow risk "" reduce risk "and" verification "4 (see Chapter 6, GB/T 20000.4-2003 5.3 and Chapter 6);

--- Increased the principles of risk assessment and risk reduction, and risk reduction measures to verify the contents of the refinement tolerable risk of containing Justice and measures to reduce risks, and revised the "Risk assessment and risk reduction cycle" diagram and "risk reduction process" diagram (See Chapter 6, Figures 2 and 3, GB/T 20000.4-2003 Chapter 6, Figures 1 and 2);

--- Modified "warning" requirements used in the text, the words "use of the product and/or system is expected to sold country/region's official language, Unless you use another language in order to more accurately describe a particular technical field "(see 7.4.2.3 2nd column items, GB/T 20000.4-2003 the second column item 7.4.2.3);

--- Increased alert, warning safety alert symbol and description of the contents to a clearer guidelines drafted by the drafting standard involved "Warning" part of the contents (see 7.4.2.3).

This section uses redrafted law revision using ISO/IEC Guide 51.2014 "concerning the safety of the secure content inclusion criteria Guide. " this part of ISO/IEC Guide 51.2014 main technical differences are as follows.

--- Increase Normative references GB/T 1.1 (see 7.4.1), in favor of a standard preparation of normative;

--- Revised ISO/IEC Guide 51.2014 Chapter 5 Figure 1, in order to better understand the relationship between risk factors.

This part of the National Standardization Technical Committee of Standardization Principles and Methods (SAC/TC286) and focal points.

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Introduction

Treatment standards in security issues, there are many different forms, involving a wide field of technology and products, processes, services and/or systems (with Hereinafter referred to as "the product and/or system"). To market products and/or systems become more complex, and therefore consider security issues is particularly important.

GB/T 20002 standard was drafted into the headquarters to provide practical guidance to

help them secure content will involve the inclusion criteria.

The basic principles of this section also apply to other security issues considered at the same time for other stakeholders (such as designers, manufacturers, service Service providers, policy makers and managers) also has an important reference value.

The method described in this section is intended to reduce the risk of product and/or system that may occur during use (including vulnerable consumers use).

This section is intended to reduce the product design and/or systems, manufacturing, distribution, use (including maintenance) and destruction or scrap that might arise Risk, is considered a product and/or the entire life cycle of the system (including the intended use and reasonably foreseeable misuse). Whether production Product and/or system is ready for the workplace, the home environment and leisure activities, the goal is to achieve the allowable wind for the person, property and the environment Insurance, to minimize adverse effects on the environment.

Danger may bring a variety of security issues, and may vary depending on the end-user (including machine control products and/or systems System integrity and product and/or the environment used by the system) and there are significant differences. While in the workplace may be to a greater extent Control risk, but for the home environment or vulnerable consumers use the product and/or system situation is not easy to do. Therefore, this section may be required to be supplemented by other publications for specific areas or users. Indicative list of these publications see "References." this section is expected to apply to the drafting and revision of standards for all new standard developed by the project.

Each function to distinguish between "quality" and "security" these two words are very important. But the standard is necessary to consider the quality requirements to ensure that the beginning Finally meet safety requirements.

Note 1: Throughout this document, the term "standards" includes standards and other technical documents standardization.

Note 2: The standard may specifically address security issues, and may also include specific provisions relating to security.

Note 3: Unless otherwise indicated, the terms used in this section "Committee" for the National Standardization Technical Committee, known as sub-technical committee or working group.

Drafting standards specific content Part 4. Safety aspects Standard

1 Scope

GB/T 20002 standard drafters of this Part is divided into content security into standard provides requirements and recommendations.

This section applies to the drafting of the relevant persons, property or safety of the contents of the environment.

Note 1: This section may apply only to personal safety, or applicable to personal and property safety, or apply to persons, property and environmental safety.

Note 2: This part of the term "product and/or system" includes products, processes, services and/or systems.

Note 3: The security issues may also apply to long-term health consequences.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein Member. For undated references, the latest edition (including any amendments) applies to this document.

GB/T 1.1 Standardization Guide Part 1. Standard structure and drafting

3 Terms and Definitions

The following terms and definitions apply to this document.

Harm hurt

Damage to human health or damage to property or environmental damage.

Dangerous hazard

May cause harm (3.1) is a potential source.

Hazardous events hazardous event it can lead to injuries (3.1) events.

Dangerous situation hazardous situation Persons, property or the environment are exposed to one or more dangerous (3.2) in some cases.

Inherently safe design by changing the design or operation of products and/or systems, eliminating the risk of (3.2) and/or measures taken to reduce the risk of (3.9) and.

Intended use by product and/or the use of information provided by the system, the absence of such information, according to the commonly understood mode.

Reasonably foreseeable misuse from readily predictable human behavior caused by failure to provide a way for parties to use the products and/or systems.