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

GB/T 16755-2015

Replacing GB/T 16755-2008

**Safety of machinery -- Rules for drafting and presentation of
safety standards**

机械安全 安全标准的起草与表述规则

(English Translation)

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References

Foreword

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

This standard replaces GB/T 16755-2008 "Safety of machinery safety standards drafting and presentation rules." And GB/T 16755-Compared to 2008, in addition to editorial changes, the major technical changes are as follows.

- Text, the term "risk mitigation measures" instead of the term "protection measures";
- Delete the contents of the 2008 version of the list of major risk 6.7;
- Determine the need for an increase in the revision of the standard list of questions in a question [see 5.2d)];
- Modify the contents of the Class B and Class C standards described in the introduction (see 63, 2008. Version 6.3.);
- Increasing the range described for NA machinery or mechanical parts (642, 2008 Edition 6.4.2.);
- Modified C class standard format described range (see Appendix B, 2008 edition Appendix B);
- Increase in C class standard format Appendix D (see Appendix B, 2008 edition Appendix B).

This standard uses redrafted law modified version of ISO Guide 78.2012 "Safety of machinery safety standards drafting and presentation rules." this standard and ISO Guide 78.2012 compared to major technological changes are as follows.

- The ISO Guide 78.2012 provision to ISO/IEC Guide specific provisions of Part 2 replace references GB/T 1.1 in Claim;
- Normative references added GB/T 30174-2013 Safety of machinery - Terminology;
- Deleted 4.1,5.2b) and 6.5 on regional standardization related content.

Please note that some of the content of this document may involve patents. Release mechanism of the present document does not assume responsibility for the identification of these patents.

This standard by the national security machinery Standardization Technical Committee (SAC/TC208) and focal points.

This standard was drafted. Rugao packaging Food Machinery Co., Jinling Institute of Technology, the National Machine Products Quality Supervision and Inspection Center, Nanjing Forestry University, the Institute of Electrical and Mechanical Instrument Engineering, Mechanical Science Research Institute, Guangxi Liugong Machinery Co., Ltd., Omron Automation (China) Ltd., Pilz Automation Trading (Shanghai) Co., Ltd.

Introduction

Safety is an important part of the machinery of production safety, Standardization Technical Committee related to China has developed a series of mechanical safety the relevant standards. Therefore, there is need for preparation, drafting and presentation rules such safety standards as GB/T 1.1 in the general principles and requirements for the supplement.

The rules specified in this standard within the machinery intended for the field of security standards and the drafting of Class B Class C standard (see 3.2 and 3.3 for definition) standard Associate Technical Committee to use. And references used in this standard principles and concepts GB/T 15706 in established, and taking into account possible GB/T 20000.4 of the principles and concepts.

Safety of machinery safety standards drafting and presentation rules

1 Scope

This standard specifies the mechanical safety standards drafting and presentation of the rules, the main purpose is to make all kinds of standards developed to achieve coherent and Quality standards.

This standard also provides for a new work item selection criteria requirements, as well as fast and efficient machinery safety standards revision procedures.

Due to the special requirements of machinery safety standards, given the requirements of this standard is a necessary complement to the GB/T 1.1 in.

This standard is mainly used for Class C standard drafting. This standard also applies to Class B standard drafting, however, such standards in the pre-format Changes will hinder the scope of this standard. When the requirements of this standard apply only to Class B standards, this standard gives instructions.

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. The structure and preparation of standard (GB/T

1.1-2009, ISO/IEC Directives, Part 2.2004, NEQ) GB/T 15706-2012 Safety of machinery - General principles for design risk assessment and risk decreases (ISO 12100:2010, IDT) GB/T 30174-2013 Safety of machinery - Terminology

3 Terms and Definitions

GB/T 1.1 and GB/T 30174 and defined by the following terms and definitions apply to this document. For ease of use, the following duplicate columns Out of the GB/T 30174 in some terms and definitions.

Class A standard type-A standard Basic safety standards the basic concept can be applied to all mechanical safety, design principles and general characteristics of the standard.

[GB/T 30174-2013, the definition 2.49] 3.2 Class B standard type-B standard General safety standards A security feature mechanical energy in a wide range of applications or standard safety device for a class requirement.

[GB/T 30174-2013, the definition 2.50] 3.2.1 B1 class standard type-B1 standard to provide for specific security features (such as safety distances, surface temperature, noise) standards.

[GB/T 30174-2013, the definition 2.50.1] 3.2.2 B2 class standard type-B2 standard the required standard safety devices (such as hands controls, interlocking devices, pressure sensitive protective devices, protective devices).