

ICS 01.080.01

CCS A22



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

GB/T 16902.1-2017

Replacing GB/T 16902.1-2004

**Rules for the presentation of graphical symbols for use on
equipment - Part 1: Design principles for symbol originals**

设备用图形符号表示规则 第1部分：符号原图的设计原则

Issued on: July 31, 2017

Implemented on: February 1, 2018

**Issued by: General Administration of Quality Supervision, Inspection and
Quarantine of the People's Republic of China;
Standardization Administration of China**

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Foreword

GB/T 16902 is "graphic symbols that rule" series of one of the national standards. The structure and name of the series of national standards are as follows:

- a) GB/T 16900 "graphical symbols that rule rules."
- b) GB/T 16901 "technical documents using graphical symbols that rule" is divided into the following three parts.
 - Part 1. Basic rules;
 - Part 2. Graphical symbols (including the reference symbol library graphic symbols) computer electronic file format specification and its intersection Change request
 - Part 3. Connection points, network classification and coding.
- c) GB/T 16902 "Equipment with graphical symbols that rule", is divided into the following five sections.
 - Part 1. Symbols original design principles;
 - Part 2. The form and use of arrows;
 - Part 3. Application Guidelines;
 - Part 4. Graphical symbols used as icons to redraw guidelines;
 - Part 5. Icon Design Guide.
- d) GB/T 16903 "signs with graphical symbols that rule", is divided into the following three parts.
 - Part 1. Public information graphic symbols design principles;

1 Scope

GB/T 16902.1-2017 is the Chinese national standard on rules for the presentation of graphical symbols for use on equipment - part 1: design principles for symbol originals, in the field of generalities, terminology and documentation. 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 July 2017 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 February 2018. Classification: ICS 01.080.01, CCS A22. 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.

GB/T 16902 provisions of this part of the device with a graphical symbol of the original design procedures, design principles and basic drawings The use of principles, etc., and in Appendix A gives the original symbol of the name, description and annotation rules. This section applies to the following uses graphic symbols.

- Marking device or its components (for example, controller or display);
- Indicates the function status or function (for example, on, off, alarm);
- Marked connection (for example, terminals, filling port);
- Provide information on the package (for example, the identification of the contents, loading and unloading instructions);
- Provide operating instructions for the device (for example, restrictions on usage). This section does not apply to the following symbols.
- Safety Signs;
- drawings and diagrams;
- Technical documents;
- Public information.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version applies to this article Pieces. For undated references, the latest edition (including all amendments) applies to this document.

GB/T 5465.2 Graphical symbols for electrical equipment - Part 2. Graphical symbols

GB/T 7291 graphic symbols based on the technical requirements of consumers

GB/T 15565 (all parts) graphic symbol terminology

GB/T 16273 (all parts) graphical symbols for equipment

GB/T 16900 Graphical symbols represent rules

GB/T 16902.2 devices with graphical symbols that rules - Part 2. Arrow form and use

GB/T 16902.3 Graphical symbols for equipment - Rules for the application - Part 3.
Guidelines for the application Drafting of specific content in the

GB/T 20002.2 standard Part 2. Needs of the elderly and handicapped

ISO 7000 device with a graphical symbol index and a list
(Graphical symbols for use on equipment-Index and synopsis)

3 Terms and definitions

GB/T 15565 defined and the following terms and definitions apply to this document. For ease of use, the following list is repeated GB/T 15565 some of the terms and definitions.