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

GB/T 16900-2008

Replacing GB/T 16900-1997

**Rules for the presentation of graphical symbols - General
principles**

图形符号表示规则 总则

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Foreword

GB/T 16900 series of standards is one of the national "rules of graphical symbols." The national standards for structure and names are as follows:

- a) GB/T 16900 "General Rules of graphical symbols."
 - Part 1. Basic rules;
 - Part 2. Graphical symbols (including the reference library of graphic symbols) in a computer file format specification and post Change requirements;
 - Part 3. connection point, networks and their encoding.
- c) GB/T 16902 "device graphical notation rules" is divided into the following four parts.
 - Part 1. prototype symbol;
 - Part 2. Form and use of arrows;
 - Part 3. Guidelines for the application;
 - Part 4. Monitor screen and the applicable rules of graphical symbols (icons) of.
- d) GB/T 16903 "flag graphical notation rules" is divided into two parts.
 - Part 1. Public information graphical symbols design principles;

--- Part 2. Test procedure. This standard replaces GB/T 16900-1997 "General Rules of graphical symbols," compared with the GB/T 16900-1997 major changes as follows:

1 Scope

GB/T 16900-2008 is the Chinese national standard on rules for the presentation of graphical symbols - general principles, 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 16 July 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 January 2009. 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.

This standard specifies the classification of graphic symbols, standardized procedures, represents the basic requirements of the rules, requirements and design registration and so on. This standard applies to technical documentation, equipment and signs in areas such as graphic symbol design, especially the design standard graphical symbols.

2 Normative references

The following documents contain provisions which, through reference in this standard and become the standard terms. For dated references, subsequent Amendments (not including errata content) or revisions do not apply to this standard, however, encourage the parties to the agreement are based on research Whether the latest versions of these documents. For undated reference documents, the latest versions apply to this standard.

GB/T 15565.1 Graphical symbols - Terminology - Part 1. General

GB/T 16901 (all parts) technical documentation indicates that the rule of graphical symbols

GB/T 16902 (all parts), Graphical symbols equipment rules

GB/T 16903 (all parts) mark indicates that the rule of graphical symbols

3 Terms and Definitions

GB/T 15565.1 defined and the following terms and definitions apply to this standard.

3.1 Graphic symbols to convey information. Category

4 Graphical symbols according to their application areas are divided into.

a) Graphical symbols for technical product documentation, including.

--- Schematic symbol. indicates that the system or device each component part of the relationship between the schematic;

--- Marked by the symbol. represents the geometric characteristics (such as ruler in product design, manufacturing, measurement and quality assurance of the whole process involved in Inch, distance, angle, shape, position, orientation, etc.) and manufacturing processes.

b) equipment graphic symbols, including.

--- Display symbols. the rendering device functions (eg. connection terminals, filling points, etc.) or work status (such as. on, off, on, off, Alarms, etc.);

--- Control symbol. as the operating instructions;

--- Icon. presented on the screen or monitor, as the instructions for use.

c) signs with graphic symbols, including.

--- Public information graphical symbols. transmission of information to the public, without professional training or training to understand;

--- Safety symbols. safety and security, color and shape together form safety signs to transmit security information;

--- Traffic sign. the color and geometry together form the traffic signs to passing traffic safety and management information.

5 standardized procedures

In the design of graphical symbols and their standardization should follow the following procedure.