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

GB/T 16675.1-2012

Replacing GB/T 16675.1-1996

**Technical drawings - Simplified representation - Part 1: Pictorial
presentation**

技术制图 简化表示法 第1部分：图样画法

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Foreword

GB/T 16675 "Technical drawings - Simplified representation" is divided into two parts.

--- Part 1. - Drawing;

--- Part 2. Dimensioning. This section GB/T 16675 Part 1. This section drafted in accordance with GB/T 1.1-2009 given rules. This Part replaces GB/T 16675.1-1996 "Technical drawings - Simplified representation - Part 1. Representation of Drawings." This portion of the GB/T 16675.1-1996 compared to the main technical changes are as follows:

--- Increasing the foreword;

--- Remove the normative references in the "GB 4457.4-1984, GB 4457.5-1984, GB 4458.1-1984, GB 4458.4-1984, GB 5489-1985, GB 11943-1989, GB/T 16675.2-1996, GB J1-1986";

--- The title "term" to "Terms and Definitions" and change the content of "GB/T 13361 and the following definition of terms and definitions appropriate Used in this document";

4.2.5 adds "For the structure has been clearly expressed, can be simplified as shown in Figure 5," and add "5";

--- Delete the original standard

5.2 Table 1 legend;

--- Modify the original standard table legend 1 5.3;

--- Delete the original standard table in section

5.5 of the legend 1;

--- Modify the original standard table shows the 1 to 5.8 "and the projection plane tilt angle is less than or equal to 30 ° circle or arc, hand drawings , Its projection can be used instead of a circle or arc";

--- Combined the original standard in Table 1

1 Scope

GB/T 16675.1-2012 is the Chinese national standard on technical drawings - simplified representation - part 1: pictorial presentation, 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 11 May 2012 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 December 2012. Classification: ICS 01.100, CCS J04. 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 16675 This section provides technical drawings (mechanical, electrical, building and civil engineering, etc.) used in general simplified. This section applies to technical drawings and related technical documents by hand or computer drawn.

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 4460 Mechanical drawings running sketch symbols

GB/T 4728 (all parts), Graphical symbols for electrical diagrams

GB/T 13361 Technical Drawing generic term

3 Terms and Definitions

GB/T 13361 and defined by the following terms and definitions apply to this document.

3.1 Simplified representation simplifiedrepresentation The essential elements of the main structure and geometrical parameters proportional representation graphical methods may be used alone symbols, letters or words express. Simplified representation by a simplified drawing and simplify the composition of injection method.

3.2 Provisions notation conventionalrepresentation Projection requirements or rules according to the standard requirements for graphics approach.

3.3 Schematic representation schematicrepresentation Words, mark, or in compliance, not

to scale (also proportional) represents a complete graphical information.

3.4 Notation symbolicrepresentation Graphical representation of a specific structure or function of the information symbol not to scale (also pro rata).

4.1 Principles simplified

4.1.1 simplifying must ensure that does not cause misunderstanding and no understanding of ambiguity. In this context, we should strive drawing simple.

4.1.2 easy to read and draw, focus on simplifying the combined effect.

4.1.3 In considering ease of hand drawing and computer graphics, we must also consider microform cartographic requirements.