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

GB 5007.2-2008

Replacing GB 5007.2-2001

**Information technology - Chinese ideogram coded character set
(auxiliary set) - 24 Dot matrix font - Song Ti**

信息技术 汉字编码字符集(辅助集) 24点阵字型 宋体

(English Translation)

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Foreword

In addition to all the technical word Table 1-11 area GB content of this section 5007 is mandatory.

GB 5007 is divided into two parts as follows.

--- GB 5007.1 "Information technology - Chinese ideogram coded character set (basic set) - 24 dot matrix font Times New Roman";

--- GB 5007.2 "Information technology - Chinese ideogram coded character set (supplementary set) 24 dot matrix." this is Part 2 GB 5007's.

The provisions of section 24 dot matrix Chinese character fonts on a "first VARIANT," and "Simplified summary table", "Chinese Characters General Printing

Table "and" Modern Chinese generic word table "(see reference) as the basis, designed in accordance with current Chinese Characters consolidation principles.

This Part replaces GB 5007.2-2001.

This section compared with GB 5007.2-2001, the main changes are as follows.

- a) In order to further improve and harmonize the quality assurance standard fonts between, on the Standard Edition Region 1 error into mathematical symbols Line correction;
- b) for Zone 3, Area 10-character errors, lowercase letters from the reference line errors corrected;
- c) area of 4, 5 District Japanese kana/katakana character part has been redesigned;
- d) of the last version is not the right character fonts have been corrected.

This section of the Appendices A and B are normative appendix.

This section proposed by the People's Republic of China Ministry of Information Industry.

This part of the jurisdiction of the China Electronics Standardization Institute.

Introduction

Authorization to use the relevant font data transfer matters, to maintain the standard font data, updating and revision of unity is responsible for the centralized units.

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Information technology - Chinese ideogram coded character set (supplementary set) 24 dot matrix

1 Scope

GB The provisions of section 5007 of the GB 12345-1990 "Information exchange with the Chinese character set character set encoding auxiliary" in the graphic characters 24 dot matrix font Times New Roman.

This section applies to a variety of electronic information products, all kinds of digital products, can also be used for other related equipment.

2 Normative references

The following documents contain provisions which, through reference in this part of the GB 5007, constitute provisions of this part. For dated references, all subsequent amendments (not including errata content) or revisions do not apply to this section, however, encourage the agreement on this section Whether the parties can study the latest versions of these documents. For undated reference documents, the latest versions apply to this section.

GB 12345-1990 Character Set for Information Interchange supplementary set character encoding

3 Terms and Definitions

The following terms and definitions apply to this section.

One kind of recognizable abstract graphic symbol, it does not depend on any particular design.

Glyph image set having the same basic design, such as. Times New Roman.

In a collection of dots to show the graphic character type (shape).

Graphic character in the set are arranged according to certain rules of order.

4 Character graphics character

According to GB 12345-1990 provisions accordingly provides.

Zone 1 to 9 area of foreign letters and other graphic characters 717;

District 16 to 55 region of the first stage characters 3755;

District 56 to 89 region of the second stage 3111 characters.

Also in Area 10 01-94 supplemented with 94-byte graphic characters; 11 District 01-32 supplemented with 32 Chinese pinyin Half-width characters, see Appendix A.

This section provides a total graphic character 7709.

5 Standard data management

To strengthen the management of electronic information technology products use standard Chinese character font data, to ensure the correctness of the data in the implementation of this section and Consistency to authorize the use of font data transfer matters, to maintain the standard font data, updating and revision, unified by the NFP be responsible for.

The method represents bitmap fonts

6.1 Grid

Equidistant grid by a number of vertical and horizontal lines intersect to form.

The provisions of section 24 bitmap fonts, which is a lateral grid 24 grid, 24 longitudinal grid. The center of each square as the center point position.

Raster Only constituting the lattice points are positioned 24 dot grid shown in Figure 1.

1 24 dot raster

6.2 Points

Point is the smallest unit constituting the lattice-shaped, circular indicated that it is located within the black areas of the parties to the grid.

6.3 Lattice words

Word character dot-matrix font by the number of points placed within the grid set to represent. Chinese character "Yong" word lattice 24 in FIG. 2 FIG.

Kanji word "permanent," the 24 lattice 2

6.4 Font data

24 dot font data representation, see Appendix B.

Table 6.5 bitmap fonts

This section provides 7577 Chinese characters, graphic characters and supplementary provisions of GB 12345-1990 132 graphic characters of 24 points Matrix font.

This part of the bitmap fonts are listed below.

3GB 5007.2-2008

4GB 5007.2-2008

5GB 5007.2-2008

6GB 5007.2-2008

7GB 5007.2-2008

8GB 5007.2-2008

9GB 5007.2-2008

Appendix A

(Normative)

Supplementary characters this section is based on GB 12345-1990 "Information exchange with the Chinese character set character set encoding auxiliary" as the basis to develop. Depending on need to before GB 12345-1990 amendments in this part of the character following additions and corrections.

Supplementary characters and corrections are as follows 128.

3-71 g corrected to g.

8-32 g corrected to g.

10-01 to 10-94 supplementary 94-byte graphic characters, their order and GB 12345-1990 Table 1 "Graphics Character code table "Zone 3 correspondence, font width corresponding to the width of the third region shaped 1/2.

11-01 to 11-32 tones and half-width characters ê, a, , n, n, , g supplement of half-Pinyin a, e, i, o, u, ü's Character, the order of this Section 8 District 01-32 of 32 characters correspondence, word Shaped width corresponding glyph widths 8th district 1/2.

Appendix B

(Normative)