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**Information technology - Tibetan coded character set. 24×48
dot matrix font - Drutsa**

信息技术 藏文编码字符集 24×48点阵字型 朱匝体

(English Translation)

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Foreword

All the technical contents of this standard is mandatory.

This standard is based on GB 16959-1997 "Technical information exchange with Tibetan coded character set of basic set" and GB/T 20542-Tibetan and Sanskrit section 2006 "Information technology - Tibetan coded character set - Extension A" under the Tibetan transliteration characters to be of Tibetan Region font specification is based on the design and provision of information systems in Tibetan turns 24 x 48 dot matrix Zhu body (see Appendix A) fonts.

Appendix A of this standard is informative annex, Annex B is normative appendix.

This standard by the National Information Technology Standardization Technical Committee (SAC/TC28) and focal points.

This standard was drafted. Tibet University, China Electronics Standardization Institute, Tibet Tibetan Language Working Committee Office, North Beijing Founder Electronics Co., Ltd.

Drafters of this standard. European beads, Laqiong large Lobsang Namgyal, on behalf of the red, Tang Yingmin, Lausanne, Turkey and the US, Chang Fu Liang, Xiong Tao, Kelsang Dorje, Chen Zhuang, Laba Tsering, La Baze Jen, Leslie, Rinchen Norbu, general Tsering, Deng Ge.

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 - Tibetan coded character set 24 x 48 dot matrix font Zhu body turns

1 Scope

This standard specifies the 24 x 48 dot body turns Zhu GB 16959-1997 and GB/T 20542-2006 graphic characters in Tibetan Font.

This standard applies to the Tibetan language information processing system of display devices, dot matrix printing equipment can also be used for other related equipment.

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 16959-1997 Information Technology Information interchange - Tibetan coded character set basic set GB/T 20542-2006 Information technology - Tibetan coded character set - Extension A

3 Terms and Definitions

The following terms and definitions apply to this standard.

Font glyph

A recognizable abstract graphic symbol, it does not depend on any particular design.

Font font

Glyph image set having the same basic design, such as. Zhu turns body.

Bitmap fonts dotmatrixfont in a collection of dots to show the graphic character type (shape).

Word order characterorder Tibetan graphic character in the set are arranged according to certain rules of order.

4 Standard data management

To strengthen the management of electronic information technology products Tibetan font standard data, to ensure the correctness of the data in the implementation of this standard 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.

5.1 Grid

A grid formed by a plurality of equidistant vertical and horizontal lines intersect.

This standard specifies that the 24 x 48 dot matrix font, which is a horizontal grid 24 grid, 48 longitudinal grid. The center of each square is defined as the point of Center position.

Raster Only constituting each lattice point positioning grid shown in Figure 1.

Figure 1 24 x 48 dot raster

5.2 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.

5.3 Lattice words

Tibetan word bitmap fonts from several points located within the grid set to represent. Tibetan for "" 24 x 48 dot matrix font, such as

Figure 2.

Figure 2 24 x 48 dot matrix Tibetan "" font

6 Tibetan bitmap fonts

6.1

of words and word order this standard provides a 24 x 48 dot matrix GB 16959-1997 and GB/T 20542-2006 provisions 710 Tibetan graphic characters Zhu turn shaped body, and arranged in the order of Tibetan coded character set, including.

Tibetan coded character set is concentrated character 57;

Tibetan coded character set - Extension A characters in 653.

6.2 Tibetan font data

Tibetan 24 x 48 dot matrix font data representation, see Appendix B.

6.3 Tibetan bitmap font table

710 Tibetan This standard provides the GB 16959-1997 and GB/T 20542-2006 provisions of 24 x 48 dot matrix font Zhu body turns

Table 1.

Table 1 Tibetan font table

Table 1 (continued)

Table 1 (continued)

Table 1 (continued)

Appendix A

(Informative)

Tibetan Zhu body turns the standard Tibetan dot font selection body turns Zhu Dan is developed on the basis bodies Zhu Zhu Qin Qiong and the body together. About AD Basic shape around the 10th century. The body in the subsequent practice continue to develop, has appeared bent legs turn Zhu body, long legs turn Zhu body, short legs Zhu Zhu body turns more body turn, these fonts distinctive, widely used in writing the title, respect inscription, plaque or other text markings.

Short-legged body turns Zhu used in this standard, with a dignified, elegant, eye-catching, bold and powerful of the characteristics of its generation time, although late, but because of the book Write flexible, varied, the greatly respected in all aspects, so that more rapid development, has become a widely used font specification.

Appendix B

(Normative)

Tibetan 24 x 48 dot matrix font data B.1 Tibetan represents 24 x 48 dot matrix font data this standard, the Tibetan font data can be represented by a dot. Each dot font data is 24 x 48 (dots x transverse column Points), a total of 1152 bits, 144 bytes.

B.2 Tibetan recording format 24 x 48 dot matrix font data Tibetan 24 x 48 dot matrix 144 bytes of font data and order of a 0 byte to 143 bytes ends are hexadecimal He said three bytes per row, the record format is as follows.

Rows

Number of columns

0 1,234,567,891,011,121,314 15 1,617,181,920,212,223 00 byte 1 byte 2 bytes 47141
bytes 142 bytes 143 bytes B.3 Tibetan 24 x 48 dot matrix font data, for example 0F55 0F5C
F306 000 000 000 000 000000 000000 000000 07C000 000000 000000 0FE000 000000