

ICS 35.040
CCS L 71



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

GB 22323-2008

**Information technology - Tibetan coded character set (basic set
and extension set A). 24×48 dot matrix font - Ucen khyungyik**

信息技术 藏文编码字符集(基本集及扩充集A) 24×48点阵字型 吾坚琼体
(English Translation)

Issued on: August 6, 2008

Implemented on: July 1, 2009

Issued by: Standardization Administration of China

Table of Contents

Introduction

Introduction

1 Scope

2 Normative references

3 Terms and definitions

4 Tibetan graphic character

5 Is a data management standard

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 24 x 48 dot matrix.

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

The standard proposed by the People's Republic of China Ministry of Information Industry.

The standard by the China Electronics Standardization Institute (CESI).

This standard was drafted. Tibet Autonomous Region Tibetan Language Working Committee Office, Tibet University, China Electronics Standardization Institute, Beijing Founder Electronics Co., Ltd., Qinghai Normal University, Weifang Beida Jade Bird Huaguang Technology Co., Ltd., the State Ethnic Affairs Division propaganda language Wen room, China National Institute of Standardization Institute of the Second Artillery Equipment Academy fourth.

Drafters of this standard. Deng Ge, European beads, on behalf of the red, Lausanne, Turkey and the US, Wang Lijian, a large Lobsang Namgyal, Laqiong, Yin Jiang Hong, Zhao Morningstar, Tsering song Jie, La Baze Jen, Tsering Dhondup Rinchen Norbu, general Tsering Kelsang Dorjee, Tsering Dhondup, Yi Xi Sangbu, song of Danba, Lvjian Chun, Zhou Jiping.

Introduction

Authorization to use the relevant font data transfer matters, to maintain the standard font data, updating and revision of the responsibility of the unified centralized units.

Address. Dongcheng District Andingmen East Street on the 1st (Beijing 1101 mailbox).

Zip Code. 100007.

Tel. 64007689,84029173.

Fax. 64007681.

E-mail. daihong @ cesi. ac. cn Information technology - Tibetan coded character set (Basic set and extension set A) 24 x 48 dot matrix font Jian Wu Qiong body

1 Scope

This standard specifies the GB 16959-1997 "Technical information exchange with Tibetan coded character set of basic set" and 24 x 48 dot matrix characters GB/T 20542-2006 "Information technology - Tibetan coded character set - Extension A" in the 1729 graphic characters Type, font use my Tibetan Joan Kennedy bodies (see Appendix A).

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.

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

Collection has shaped the image of the same basic design, such as. I Kennedy Joan body.

In a collection of dots to represent graphic characters shape.

Tibetan certain collection arranged according to certain rules of order.

4 Tibetan graphic character

This standard provides a total of 1729 graphic characters, including. GB 16959-1997 in the 193 and GB/T 20542-2006 in 1536.

5 Standard data management

To strengthen the management of product data with standard IT Tibetan text font and font, to ensure consistency in the implementation of this standard data and correctness concerning the use of font data authorizing the 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

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

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

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

Figure 1 24 x 48 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

Tibetan word bitmap fonts from several points located within the grid set to represent. Tibetan word text ", " dot in Fig. 2 FIG.

Figure 2 24 x 48 dot matrix word ""

7 Bitmap fonts in Tibetan

Word Count 7.1

This standard provides a 24 x 48 dot GB 16959-1997 and GB/T 20542-2006 provisions of the 1729 Tibetan graphic characters Matrix font.

7.2 Tibetan font data

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

7.3 Tibetan bitmap font table

1729 Tibetan This standard provides the GB 16959-1997 and GB/T 20542-2006 provisions of 24 x 48 dot matrix font as follows.

4GB 22323-2008

5GB 22323-2008

6GB 22323-2008

7GB 22323-2008

8GB 22323-2008

9GB 22323-2008

Appendix A

(Informative)

Tibetan bitmap fonts fonts the standard Tibetan standard bitmap fonts chosen my body
Joan Kennedy, Joan body is one of many different styles of my firm body unique calligraphy.

Font, it produces early years, a thousand years ago. Innovation of this body is a famous calligrapher Yu jumbo red Barr. He set the Tibetan the culmination of eight kinds of typeface Earth beauty · Sang Buzha other eight calligraphers created by toad body, brick columns, etc., and a large Lotsawa Karma watts thanks to the calligraphy as a template, Referring to draw mandala coordinate method to determine the line, creating a uniform rule book brushwork body. This new body has a dignified, elegant, crisp, China United States and other characteristics, later called Joan body. Joan body as the oldest standard font specification earlier time, still in use. It used primarily for hand Write or important classic.

Appendix B

(Normative)

Tibetan 24 x 48 dot matrix font data B. Tibetan represents 1 dot 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 of dot font data Tibetan 24 x 48 dot matrix 144 bytes of font data and order of a 0 byte to 143 bytes ends, all with hexadecimal Notation, its record format is as follows.

Number of columns