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

GB 25903.1-2010

Information technology -- Universal multi-octet coded character set -- Sibe, Manchu nominal characters, presentation forms and composite characters. 16 Dot matrix fonts -- Part 1: Zhengbai Ti

信息技术 通用多八位编码字符集 锡伯文、满文名义字符、显现字符与合体字 16
点阵字型 第1部分：正白体

(English Translation)

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Foreword

All technical content in this section is mandatory.

GB 25903 "Information technology - Universal Multiple-Octet Coded Character Set Xibe Manchu nominal character, showing characters and complex characters 16.00 Array font "is divided into the following sections.

--- Part 1. white body;

--- Part 2. hei.

This is part of the GB Part 125 903.

This section based on GB/T 26226 "Information technology deformation appears Mongolian character set and control characters using the rules" under the Xibe Wen, on behalf of the Manchu characters appear deformed characters, complex characters and special symbols to the text of the current shape and Xibe language literature in full text Form the basis of, and in accordance with the rules of orthography "Modern Xibe literary language orthography" set forth in the design and provision of information systems Xibe, Manchu 16 dot matrix text white body (see Appendix A) fonts.

This part of the Annex A, Annex B and Annex C is informative annex, Annex D is normative appendix.

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

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.

Information technology - Universal Multiple-Octet Coded Character Set Xibe, Manchu nominal character, showing characters and complex characters 16 dot matrix font - Part 1. white body

1 Scope

GB This section 25903 specifies the GB/T 26226 in Xibe Manchu nominal character, appeared deformed characters, words and mandatory fit Special numbers, punctuation 16 dot matrix font is white body.

This section applies to Xibe Manchu information processing system of display devices, dot matrix printing equipment, but also for other related equipment.

2 Normative references

The following documents contain provisions which, through reference in this section GB 25903, constitute provisions of this part. For dated reference documents Member, all subsequent amendments (not including errata content) or revisions do not apply to this section, however, we are encouraged to reach agreement under this section all parties that proposed to use the latest versions of these documents. For undated reference documents, the latest versions apply to this section.

GB 13000 Information technology - Universal Multiple-Octet Coded Character Set (UCS) (GB 13000-2010, ISO/IEC 10646:2003, IDT) GB/T 26226 IT Mongolian deformation show the character set and control characters use rules

3 Terms and Definitions

The following terms and definitions apply to this section.

Font glyph

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

Font font

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

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

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

Character height Effective height of the dot graphic characters in dots.

4 Xibe, Manchu graphic characters

4.1

The number of characters in accordance with the provisions of this part of GB/T 26226, providing 231 Xibe Manchu graphic characters, in which.

- a) Xibe, Manchu and Alcock Ga ceremony on behalf of 81 characters;
- b) Xibe, Manchu single deformed characters appear 59;
- c) Xibe, Manchu word mandatory assembly 54;
- d) Xibe, Manchu special numbers, punctuation marks 37.

Xibe, Manchu character code information and serial number data in Appendix B.

4.2

A character sequence this section provides 231 Xibe Manchu nominal character, deformed characters appear, and dedicated digital mandatory fitting word, punctuation Bitmap fonts, which are arranged sequentially in the order of GB/T 26226 predetermined order.

5 Standard data management

To strengthen the management of information technology products with Mongolia text font and font standard data, data in this section to ensure the implementation of Consistency and correctness, authorizing the transfer of data related to the use of font issues, font standard data maintenance, updating and revision of the Uniform Responsible focal point.

The method represents bitmap fonts

6.1 Grid

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

This section provides 16 dot matrix (refer to the letter box) font, which is a lateral grid 16 grid, 16 longitudinal grid. The center of each square is defined as the point of Center position.

Raster Only constituting the lattice points are positioned 16 dot grid shown in Figure 1.

Figure 116 dot raster

6.2 Points

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

6.3 Lattice words

Words Xibe, Manchu graphic character bitmap fonts from a number of points placed within the grid set to represent. Xibe, Manchu "" The word lattice 16 as shown in FIG.

2 words Xibe, Manchu "" 16 dot white body

6.4 Dot matrix character height data

This section provides 231 Xibe Manchu 16 dot matrix character font is white body height data, see Appendix C.

7.1 Bitmap font data

231 Xibe, Manchu This section provides 16 dot matrix font data body is white, said in Appendix D.

7.2 Bitmap fonts

In accordance with the provisions of this part of GB/T 26226 offers 231 Xibe Manchu 16 dot matrix graphic character font is white body as follows.

Note: According to "Modern Xibe literary language orthography" This section increases the number is 0136,0137,018A, 018B of four characters, according to GB/T 26226 in the requirement to use.

Appendix A

(Informative)

White body

White body Manchu Qing dynasty originated from wood, stone version of the full text of all kinds of books. White body Xibe originated from folk handwritten font.

The body of the font used in the article, balloon, text and other modifications.

Appendix B

(Informative)

Xibe, Manchu character code and serial number data this section provides 231 Xibe Manchu graphic characters, 81 characters in the name and 37 digits, punctuation GB 13000 in code 113 deformed characters appear in GB 13000 no code, but it GB/T 26226 appear in a distorted word it specifies the number symbol. This section provides 231 Xibe, code and serial number data Manchu graphic characters as follows.

a) 81 Ge Xibe, Manchu and Alcock Ga ceremony on behalf of the character code. in 1800 ~ 18AF range;

b) 59 Ge Xibe Manchu single deformation show the character sequence code. in the range