



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

GB/T 12184.2-2022

**Information processing - Magnetic ink character recognition -
Part 2: Print specifications for CMC7**

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Table of Contents

foreword

Introduction

2022 together replace GB/T 12184-2007.

1 Scope

2 Normative references

3 Terms and definitions, symbols and abbreviations

3.1 Terms and Definitions

3.2 Symbols and Abbreviations

foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for Standardization Work Part 1. Structure and Drafting Rules of Standardization Documents" drafted.

This document is the second part of GB/T 12184 "Information Processing Magnetic Ink Character Recognition". GB/T 12184 has issued the following part.

--- Part 1. Printing Specifications for E13B;

--- Part 2. Printing specifications for CMC7.

This document replaces GB/T 12184-2007 "Information Processing Magnetic Ink Character Recognition Printing Specification". and GB/T 12184-2007

In contrast, except for structural adjustments and editorial changes, the main technical changes are as follows.

- a) Changed the standard name;
- b) change "error" to "tolerance" (see Chapter 1, Chapter 15 of the.2007 edition);
- c) Changed the expression of combination C26 (see 4.1, 16.1 of the.2007 edition);
- d) change the term "stroke" to "stroke" (see Chapter 10, Chapter 22 of the.2007 edition);
- e) Added the use of CMC7 characters (see Appendix A).

This document is equivalent to ISO 1004-2:2013 "Information Processing Magnetic Ink Character Recognition Part 2. Printing Specifications for CMC7".

The following minimal editorial changes have been made to this document.

--- Change "terms, definitions, symbols and abbreviations" to "terms and definitions, symbols and abbreviations" (see Chapter 3);

--- Increase the connection number in the form of a word line in the space in the table (see Table 1).

Please note that some content of this document may be patented. The issuing agency of this document assumes no responsibility for identifying patents.

Introduction

GB/T 12184 "Information Processing Magnetic Ink Character Recognition" is divided into 2 parts. GB/T 12184.1-2022 "Information Processing Magnetic Ink Character Recognition"

Printing Specifications for CMC7. This document is part 2 and part 1 of GB/T 12184 "Information Processing Magnetic Ink Character Recognition"

GB/T 12184.1-2022 is an independent parallel relationship. The CMC7 characters specified in this document are mainly applicable to bank notes and their

information processing of other systems. This document is equivalent to the International Standard ISO 1004-2:2013. GB/T 12184.1-2022 and GB/T 12184.2-

2022 together replace GB/T 12184-2007.

Information Processing Magnetic Ink Character Recognition

Part 2. Printing Specifications for CMC7

1 Scope

This document specifies the shape, size and tolerance of 10 numbers (0~9), 5 symbols and 26 letters printed with magnetic ink, description

Various printing defects and other printing precautions are described, tolerances are specified, and the measurement of signal levels is explained.

The characters specified in this document are mainly applicable to the automatic data processing of bank bills, and other automatic information processing systems can be used for reference.

2 Normative references

The contents of the following documents constitute essential provisions of this document through normative references in the text. Among them, dated citations

documents, only the version corresponding to that date applies to this document; for undated references, the latest edition (including all amendments) applies to this document.

GB/T 12184.1-2022 Information Processing Magnetic Ink Character Recognition Part 1. Printing Specification for E13B (ISO 1004-1.

2013, IDT)

3.1 Terms and Definitions

The following terms and definitions apply to this document.

3.1.1

magnetic ink

Magnetic ink (ink) with magnetizability and recognizability.

3.1.2

vertical misalignment

The offset of the printed characters on the ticket relative to the nominal vertical position.

3.1.3

Missing void

Areas outside of the print edge areas and line segment end areas that should be inked but not inked.

3.1.4

segment end zones

An area with a maximum height of 0.22mm at either end of a stroke line segment or stroke.

3.1.5

residual signal level residual signal level

The maximum signal level produced by the residual print after the characters are deinked.

3.2 Symbols and Abbreviations

The following symbols and abbreviations apply to this document.