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Information technology — Font information interchange — Registered glyph identifiers

Technologies de l'information — Échange d'informations sur les fontes — Identifiants de glyphes enregistrés

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Foreword

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For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see www.iso.org/iso/foreword.html.

This document was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 34, *Document description and processing languages*.

This first edition of ISO/IEC TR 10036 cancels and replaces ISO/IEC 10036:1996.

The main changes compared to ISO/IEC 10036:1996 are as follows:

— removal of the registration procedure specification due to the retirement of the registration authority;

— inclusion of the glyph registry published by the former registration authority.

Any feedback or questions on this document should be directed to the user’s national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

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Introduction

In some applications and use-cases of font information interchange, especially among CJK script users, font producers or users need to make fine distinctions between presentation forms of the same character for use in different contexts. In the past, because fonts generally use character encodings to identify presentation forms, this has caused significant use of Private Use Area (PUA) code points to represent alternative presentation forms, arguably an unorthodox extension of the use of character encoding to include glyph encoding.

For glyph information interchange required by font format specifications (such as ISO/IEC 9541 (all parts) and the page description language ISO/IEC 10180), JTC 1/SC 18 (predecessor of JTC 1/SC 34) had defined a procedure for registration of glyph identifiers. This procedure was standardized as ISO/IEC 10036. Management of the registry was originally outsourced to AFII (Association of Font Information Interchange), then to GLOCOM (GLobal COMmunication Center, at the International University of Japan). Registry maintenance by GLOCOM continued until 2018. Some standards developed outside JTC 1/SC 34 have referred to AFII identifiers (for example, TrueType Reference Manual[5]), or have referred to ISO/IEC 10036 in order to distinguish the concepts of a character and a glyph (for example, ISO/IEC TR 15285). Some technical notes[6][7][8] recommend using the glyph identifiers in the ISO/IEC 10036 registry, instead of using PUA code point.

In 2019 JTC 1/SC 34 decided to terminate the procedure for the registration of glyph identifiers. The purpose of this document is to ensure the availability for archival purposes of glyph identifiers that have already been registered.

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Information technology — Font information interchange — Registered glyph identifiers

1 Scope

This document provides the glyph identifiers and glyph images registered and published by the registration authority for ISO/IEC 10036:1996.

2 Normative references

There are no normative references in this document.

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

— ISO Online browsing platform: available at https://www.iso.org/obp

— IEC Electropedia: available at http://www.electropedia.org/

3.1
font-related object
entity for identification of font or glyph information in global interchange

Note 1 to entry: Font-related objects are described in ISO/IEC 9541 (all parts), or other ISO/IEC standards.

3.2
glyph identifier
sequential integer number assigned to the set of the glyph image, *font-related object* (3.1) and other related information

3.3
register
formal or official recording of items, names, or actions

3.4
registration authority
organization nominated and appointed by ISO/IEC Council to *register* (3.3) the entities required by the technical standard

Note 1 to entry: In this document, this term means the registration authority for ISO/IEC 10036.

4 Glyph table

4.1 General

The glyph table showing the pairs of the glyph identifier and glyph image is accessible at the following web address:

https://standards.iso.org/iso-iec/tr/10036/ed-1/en/GlyphTable.pdf

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