

SLOVENSKI STANDARD

SIST EN ISO/IEC 15438:2003

01-oktober-2003

Information technology - Automatic identification and data capture techniques - Bar code symbology specifications - PDF417 (ISO/IEC 15438:2001)

Informationstechnik - Techniken zur automatischen Identifikation und Datenerfassung - Spezifikationen für Strichcodesymbologien - PDF417 (ISO/IEC 15438:2001)

Technologies de l'information - Techniques automatiques d'identification et de capture des données - Spécifications pour les symboles de codes a barres - PDF417 (ISO/IEC 15438:2001)

Ta slovenski standard je istoveten z: EN ISO/IEC 15438:2003

ICS:

35.040	Nabori znakov in kodiranje informacij	Character sets and information coding
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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN ISO 15438

May 2003

ICS 35.040

Supersedes ENV 12925:1997

English version

Information technology - Automatic identification and data
capture techniques - Bar code symbology specifications -
PDF417 (ISO/IEC 15438:2001)

Technologies de l'information - Techniques automatiques
d'identification et de capture des données - Spécifications
pour les symboles de codes à barres - PDF417 (ISO/IEC
15438:2001)

This European Standard was approved by CEN on 9 January 2003.

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EN ISO 15438:2003 (E)**Foreword**

The text of ISO/IEC 15438:2001 has been prepared by Technical Committee ISO/IEC/JTC 1 "Information technology" of the International Organization for Standardization (ISO) and has been taken over as EN ISO 15438:2003 by Technical Committee CEN/TC 225 "Bar coding", the secretariat of which is held by NEN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by November 2003, and conflicting national standards shall be withdrawn at the latest by November 2003.

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The text of ISO/IEC 15438:2001 has been approved by CEN as EN ISO 15438:2003 without any modifications.

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NOTE Normative references to International Standards are listed in annex ZA (normative).

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Annex ZA (normative)

Normative references to international publications with their relevant European publications

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

NOTE Where an International Publication has been modified by common modifications, indicated by (mod.), the relevant EN/HD applies.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN</u>	<u>Year</u>
ISO/IEC 15416	2000	Information technology - Automatic identification and data capture techniques - Bar code print quality test specification - Linear symbols	EN ISO/IEC 15416	2001

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INTERNATIONAL
STANDARD

ISO/IEC
15438

First edition
2001-09-15

**Information technology — Automatic
identification and data capture
techniques — Bar code symbology
specifications — PDF417**

*Technologies de l'information — Techniques automatiques d'identification
et de capture des données — Spécifications pour les symboles de codes à
barres — PDF417*

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Printed in Switzerland

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ISO/IEC 15438:2001(E)**Foreword**

ISO (the International Organization for Standardization) and IEC (the International Electrotechnical Commission) form the specialized system for worldwide standardization. National bodies that are members of ISO or IEC participate in the development of International Standards through technical committees established by the respective organization to deal with particular fields of technical activity. ISO and IEC technical committees collaborate in fields of mutual interest. Other international organizations, governmental and non-governmental, in liaison with ISO and IEC, also take part in the work. In the field of information technology, ISO and IEC have established a joint technical committee, ISO/IEC JTC 1.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 3.

The main task of the joint technical committee is to prepare International Standards. Draft International Standards adopted by the joint technical committee are circulated to national bodies for voting. Publication as an International Standard requires approval by at least 75 % of the national bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this International Standard may be the subject of patent rights. ISO and IEC shall not be held responsible for identifying any or all such patent rights.

ISO/IEC 15438 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 31, *Automatic identification and data capture techniques*.

Annexes A to N form a normative part of this International Standard. Annexes P to U are for information only.

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Introduction

The technology of bar coding is based on the recognition of patterns of bars and spaces of defined dimensions. There are various methods of encoding information in bar code form, known as symbologies, and the rules defining the translation of characters into bar and space patterns and other essential features are known as the symbology specification.

Manufacturers of bar code equipment and users of bar code technology require publicly available standard symbology specifications to which they can refer when developing equipment and application standards. It is the intent and understanding of ISO/IEC that the symbology presented in this standard is entirely in the public domain and free of all user restrictions, licences and fees.

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Information technology — Automatic identification and data capture techniques — Bar code symbology specifications — PDF417

1 Scope

This International Standard specifies the requirements for the bar code symbology known as PDF417. It specifies PDF417 symbology characteristics, data character encodation, symbol formats, dimensions, error correction rules, decoding algorithm, and a number of application parameters.

2 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this International Standard. For dated references, subsequent amendments to, or revisions of, any of these publications do not apply. However, parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. For undated references, the latest edition of the normative document referred to applies. Members of ISO and IEC maintain registers of currently valid International Standards.

ISO/IEC 646:1991, *Information technology — ISO 7-bit coded character set for information exchange*

<https://standards.iteh.ai/catalog/standards/sist/10e01747-4345-4b43-a977-780127c1df5/iso-iec-646-1991>

ISO/IEC 8859-1:1998, *Information technology — 8-bit single-byte coded graphic character sets — Part 1: Latin alphabet No. 1*

ISO/IEC 15416, *Information technology — Automatic identification and data capture techniques — Bar code print quality test specification — Linear Symbols*

AIM International Technical Specification: *Extended Channel Interpretations — Part 1: Identification Schemes and Protocol*

AIM International Technical Specification: *Extended Channel Interpretations — Part 2: Registration of Coded Character Sets and Other Data Formats*

EN 796, *Bar coding — Symbology identifiers*

EN 1556, *Bar coding — Terminology*