



# SLOVENSKI STANDARD

## SIST EN ISO/IEC 15438:2010

01-oktober-2010

Nadomešča:

SIST EN ISO/IEC 15438:2003

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**Informacijska tehnologija - Tehnike za samodejno razpoznavanje in zajem podatkov - Specifikacije za simbologijo črtnih kod PDF417 (ISO/IEC 15438:2006)**

Information technology - Automatic identification and data capture techniques - PDF417 bar code symbology specification (ISO/IEC 15438:2006)

Informationstechnik - Verfahren der automatischen Identifikation und Datenerfassung - Spezifikationen für Strichcodesystembologien: PDF 417 (ISO/IEC 15438:2006)

Technologies de l'information - Techniques automatiques d'identification et de capture des données - Spécifications pour la symbologie de code à barres PDF417 (ISO/IEC 15438:2006)

**Ta slovenski standard je istoveten z: EN ISO/IEC 15438:2010**

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**ICS:**

35.040	Nabori znakov in kodiranje informacij	Character sets and information coding
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**EN ISO/IEC 15438**

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ICS 35.040

Supersedes EN ISO/IEC 15438:2003

English Version

Information technology - Automatic identification and data  
capture techniques - PDF417 bar code symbology specification  
(ISO/IEC 15438:2006)

Technologies de l'information - Techniques automatiques  
d'identification et de capture des données - Spécifications  
pour la symbologie de code à barres PDF417 (ISO/IEC  
15438:2006)

Informationstechnik - Verfahren der automatischen  
Identifikation und Datenerfassung - Spezifikation der  
Strichcodesymbologie PDF417 (ISO/IEC 15438:2006)

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**Contents**

Page

Foreword.....3

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## Foreword

The text of ISO/IEC 15438:2006 has been prepared by Technical Committee ISO/IEC JTC 1 "Information technology" of the International Organization for Standardization (ISO) and the International Electrotechnical Commission (IEC) and has been taken over as EN ISO/IEC 15438:2010 by Technical Committee CEN/TC 225 "AIDC technologies" the secretariat of which is held by NEN.

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INTERNATIONAL  
STANDARD

ISO/IEC  
15438

Second edition  
2006-06-01

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**Information technology — Automatic  
identification and data capture  
techniques — PDF417 bar code  
symbology specification**

*Technologies de l'information — Techniques d'identification  
automatique et de capture des données — Spécifications pour la  
symbologie de code à barres PDF417*

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# Contents

Page

Foreword.....	vi
Introduction .....	vii
<b>1 Scope .....</b>	<b>1</b>
<b>2 Normative references .....</b>	<b>1</b>
<b>3 Terms and definitions.....</b>	<b>2</b>
<b>4 Symbols, operations and abbreviated terms .....</b>	<b>3</b>
4.1 Symbols .....	3
4.2 Mathematical operations.....	4
4.3 Abbreviated terms .....	4
<b>5 Requirements .....</b>	<b>5</b>
5.1 Symbology characteristics .....	5
5.1.1 Basic characteristics .....	5
5.1.2 Summary of additional features .....	6
5.2 Symbol structure .....	7
5.2.1 PDF417 symbol parameters.....	7
5.2.2 Row parameters.....	7
5.2.3 Codeword sequence.....	7
5.3 Basic encodation .....	8
5.3.1 Symbol character structure .....	8
5.3.2 Start and stop characters .....	9
5.4 High level (data) encodation.....	10
5.4.1 Function codewords.....	10
5.4.2 Text Compaction mode.....	13
5.4.3 Byte Compaction mode.....	17
5.4.4 Numeric Compaction mode.....	19
5.4.5 Advice to select the appropriate compaction mode .....	21
5.4.6 Treatment of PDF417 reserved codewords.....	21
5.5 Extended Channel Interpretation .....	21
5.5.1 Encoding the ECI assignment number.....	22
5.5.2 Pre-assigned and default Extended Channel Interpretations .....	23
5.5.3 Encoding ECI sequences within compaction modes .....	23
5.5.4 Post-decode protocol .....	25
5.6 Determining the codeword sequence.....	25
5.7 Error detection and correction .....	26
5.7.1 Error correction level.....	26
5.7.2 Error correction capacity .....	26
5.7.3 Defining the error correction codewords .....	27
5.8 Dimensions.....	27
5.8.1 Minimum width of a module (X).....	27
5.8.2 Row height (Y).....	28
5.8.3 Quiet zones.....	28
5.9 Defining the symbol format .....	28
5.9.1 Defining the aspect ratio of the module .....	28
5.9.2 Defining the symbol matrix of rows and columns .....	28
5.10 Generating the error correction codewords .....	30
5.11 Low level encodation.....	31
5.11.1 Clusters.....	32
5.11.2 Determining the symbol matrix .....	32
5.11.3 Determining the values of the left and right row indicators.....	32

## ISO/IEC 15438:2006(E)

5.11.4	Row encoding.....	33
5.12	Compact PDF417.....	33
5.13	Macro PDF417.....	33
5.13.1	Compaction modes and Macro PDF417 .....	34
5.13.2	ECIs and Macro PDF417 .....	34
5.14	User guidelines .....	34
5.14.1	Human readable interpretation.....	34
5.14.2	Autodiscrimination capability.....	34
5.14.3	User-defined application parameters.....	34
5.14.4	PDF417 symbol quality.....	35
5.15	Reference decode algorithm.....	35
5.16	Error detection and error correction procedure .....	35
5.17	Transmitted data .....	35
5.17.1	Transmitted data in the basic (default) interpretation.....	35
5.17.2	Transmission protocol for Extended Channel Interpretation (ECI) .....	36
5.17.3	Transmitted data for Macro PDF417 .....	37
5.17.4	Transmission of reserved codewords using the ECI protocol.....	37
5.17.5	Symbology identifier.....	37
5.17.6	Transmission using older protocols.....	37
Annex A	(normative) Encoding/decoding table of PDF417 symbol character bar-space sequences.....	39
Annex B	(normative) The default character set for Byte Compaction mode .....	55
Annex C	(normative) Byte Compaction mode encoding algorithm .....	56
Annex D	(normative) Numeric Compaction mode encoding algorithm.....	58
Annex E	(normative) User selection of error correction level .....	60
E.1	Recommended minimum error correction level.....	60
E.2	Other user consideration of the error correction level.....	60
Annex F	(normative) Tables of coefficients for calculating PDF417 error correction codewords .....	61
Annex G	(normative) Compact PDF417.....	66
G.1	Description.....	66
G.2	Print quality.....	66
Annex H	(normative) Macro PDF417.....	67
H.1	Macro PDF417 overview .....	67
H.2	Macro PDF417 syntax .....	67
H.3	High level encoding considerations .....	70
H.4	Encodation example .....	70
H.5	Macro PDF417 and the Extended Channel Interpretation protocol .....	71
H.6	Macro PDF417 data transmission .....	72
Annex I	(normative) Testing PDF417 symbol quality.....	75
Annex J	(normative) Reference decode algorithm for PDF417 .....	76
J.1	Initialisation .....	76
J.2	Reference decode algorithm for line decoding.....	76
J.3	Filling the matrix .....	78
J.4	Interpretation .....	79
Annex K	(normative) Error correction procedures .....	80
Annex L	(normative) Symbology identifier .....	82
Annex M	(normative) Transmission protocol for decoders conforming with original PDF417 standards .....	83
M.1	Basic Channel mode.....	83
M.2	GLI encoded symbols.....	83
M.3	Macro PDF417 symbols.....	85
M.4	Transmission of reserved codewords using the original PDF417 protocol .....	86
M.5	Achieving compatibility between old and new PDF417 equipment.....	86
Annex N	(informative) Algorithm to minimise the number of codewords .....	89

<b>Annex O</b> (informative) <b>Guidelines to determine the symbol matrix</b> .....	91
<b>O.1</b> <b>Parameters affecting the determination of the matrix</b> .....	91
<b>O.2</b> <b>Guidelines should any parameters not be achieved</b> .....	94
<b>Annex P</b> (informative) <b>Calculating the coefficients for generating the error correction codewords</b> <b>– worked example</b> .....	95
<b>Annex Q</b> (informative) <b>Generating the error correction codewords - worked example</b> .....	96
<b>Annex R</b> (informative) <b>Division circuit procedure for generating error correction codewords</b> .....	99
<b>Annex S</b> (informative) <b>Additional guidelines for the use of PDF417</b> .....	100
<b>S.1</b> <b>Autodiscrimination compatibility</b> .....	100
<b>S.2</b> <b>Pixel-based printing</b> .....	100
<b>Bibliography</b> .....	102

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[SIST EN ISO/IEC 15438:2010](https://standards.iteh.ai/catalog/standards/sist/31aeb110-flc2-47c0-a9f9-3aeb49e78fc7/sist-en-iso-iec-15438-2010)

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## ISO/IEC 15438:2006(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 2.

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 document 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*.

This second edition cancels and replaces the first edition (ISO/IEC 15438:2001), which has been technically revised.

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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 bars 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 International 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 — PDF417 bar code symbology specification

## 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, reference decoding algorithm, and a number of application parameters.

## 2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

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

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

ISO/IEC 15415, *Information technology — Automatic identification and data capture techniques — Bar code print quality test specification — Two-dimensional symbols*

ISO/IEC 15424, *Information technology — Automatic identification and data capture techniques — Data Carrier Identifiers (including Symbology Identifiers)*

ISO/IEC 19762-1, *Information technology — Automatic identification and data capture (AIDC) techniques — Harmonized vocabulary — Part 1: General terms relating to AIDC*

ISO/IEC 19762-2, *Information technology — Automatic identification and data capture (AIDC) techniques — Part 2: Optically readable media (ORM)*

ISO/IEC 24723, *Information technology — Automatic identification and data capture techniques — EAN.UCC Composite bar code symbology specification*

AIM Inc. International Technical Standard: ITS/04-001, *Extended Channel Interpretations — Part 1: Identification Schemes and Protocols*<sup>1</sup>

<sup>1</sup> Published by AIM Global, 125 Warrendale-Bayne Road, Suite 100, Warrendale, PA 15086, USA.