SLOVENSKI STANDARD
SIST EN ISO/IEC 15419:2010

01-oktober-2010

Nadomešča:
SIST EN ISO/IEC 15419:2003

Informacijska tehnologija - Tehnike za samodejno razpoznavanje in zajem podatkov - Digitalni prikaz črtnih kod in preskušanje tiskalnih zmogljivosti (ISO/IEC 15419:2009)

Information technology - Automatic identification and data capture techniques - Bar code digital imaging and printing performance testing (ISO/IEC 15419:2009)

Informationstechnik - Verfahren der automatischen Identifikation und Datenerfassung - Leistungsanforderungen für digitale Bild- und Druckverarbeitung für Strichcodes (ISO/IEC 15419:2009)

Technologies de l'information - Techniques automatiques d'identification et de capture des données - Test de performance de la numérisation digitale et l'impression des codes à barres (ISO/IEC 15419:2009)

Ta slovenski standard je istoveten z: **EN ISO/IEC 15419:2010**

ICS:

35.040	Nabori znakov in kodiranje informacij	Character sets and information coding

SIST EN ISO/IEC 15419:2010 **en**

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

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English Version

Information technology - Automatic identification and data capture techniques - Bar code digital imaging and printing performance testing (ISO/IEC 15419:2009)

Technologies de l'information - Techniques automatiques d'identification et de capture des données - Test de performance de la numérisation digitale et l'impression des codes à barres (ISO/IEC 15419:2009)

Informationstechnik - Verfahren der automatischen Identifikation und Datenerfassung - Leistungsanforderungen für digitale Bild- und Druckverarbeitung für Strichcodes (ISO/IEC 15419:2009)

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COMITÉ EUROPÉEN DE NORMALISATION
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Foreword

The text of ISO/IEC 15419:2009 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 15419:2010 by Technical Committee CEN/TC 225 “AIDC technologies” 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of an identical text or by endorsement, at the latest by February 2011, and conflicting national standards shall be withdrawn at the latest by February 2011.

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Endorsement notice

The text of ISO/IEC 15419:2009 has been approved by CEN as a EN ISO/IEC 15419:2010 without any modification.

INTERNATIONAL STANDARD

ISO/IEC 15419

Second edition
2009-06-01

Information technology — Automatic identification and data capture techniques — Bar code digital imaging and printing performance testing

Technologies de l'information — Techniques automatiques d'identification et de capture des données — Test de performance de la numérisation digitale et l'impression des codes à barres

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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.

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ISO/IEC 15419 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 15419:2001), which has been technically revised.

Introduction

Bar code technology is based on the recognition of patterns encoded in bars and spaces of defined dimensions according to rules defining the translation of characters into such patterns, known as the symbology specification.

Bar code digital imaging systems must be capable of reliably converting the information to be encoded into a bar code symbol meeting the symbology specification and application requirements if the technology is to fulfil its basic objective. Such systems comprise two major components, namely the hardware device which produces the physical image of the bar code symbol on paper, photographic film, printing plate, or other substrate, and the associated software which converts the input data into digital instructions used to drive the hardware device. Each component can take many forms and perform differing functions.

Manufacturers of bar code equipment, the producers of bar code symbols and the users of bar code technology therefore require publicly available standard test specifications for bar code digital imaging systems to ensure the accuracy and consistency of performance of these systems. This International Standard is intended to lay down general principles governing the bar code image generation function in each component, supplemented by more specific details applicable to certain major categories of software and hardware.