

AIDC technologies - Symbology specifications - Code 16K

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EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 12323:2005 sisaldab Euroopa standardi EN 12323:2005 ingliskeelset teksti. Käesolev dokument on jõustatud 22.06.2005 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes. Standard on kättesaadav Eesti standardiorganisatsioonist.	This Estonian standard EVS-EN 12323:2005 consists of the English text of the European standard EN 12323:2005. This document is endorsed on 22.06.2005 with the notification being published in the official publication of the Estonian national standardisation organisation. The standard is available from Estonian standardisation organisation.
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Käsitlusala: This document:— specifies the requirements for the multi row bar code symbology known as "Code 16K"; — specifies "Code 16K" symbology characteristics, data character encodation, dimensions, tolerances, decoding algorithms and user-defined application parameters; — describes a subset of "Code 16K" assigned to EAN International.	Scope: This document:— specifies the requirements for the multi row bar code symbology known as "Code 16K"; — specifies "Code 16K" symbology characteristics, data character encodation, dimensions, tolerances, decoding algorithms and user-defined application parameters; — describes a subset of "Code 16K" assigned to EAN International.
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ICS 35.040

Võtmesõnad: algoritmid, andmetöötlus, graafilised märgid, karakteristikud, mõõtmed, mõõtmeterantsid, märgituvastus, määratlused, optiline tuvastus, sümbolid, tähelis-numbrilised märgistikud, vöötkoodid

English version

AIDC technologies - Symbology specifications - Code 16K

Code à barres - Spécifications des symbologies - Code
16K

AutoID-Technologien - Symbologiespezifikationen - Code
16K

This European Standard was approved by CEN on 21 March 2005.

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This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.



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Foreword

This document (EN 12323:2005) has been prepared 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 November 2005, and conflicting national standards shall be withdrawn at the latest by November 2005.

This document supersedes EN 12323:1998.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

Introduction

The technology of bar coding is based on the recognition of patterns encoded in bars and spaces of defined dimensions. There are a number of 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 specifications. "Code 16K" is one such symbology.

Previously, symbology specifications have been developed and published by a number of different private organisations, resulting in certain instances in conflicting requirements for certain symbologies.

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.

1 Scope

This document:

- specifies the requirements for the multi row bar code symbology known as "Code 16K";
- specifies "Code 16K" symbology characteristics, data character encodation, dimensions, tolerances, decoding algorithms and user-defined application parameters;
- describes a subset of "Code 16K" assigned to EAN International.

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.

EN 1556:1998, *Bar coding — Terminology*

EN ISO/IEC 15416, *Information technology — Automatic identification and data capture techniques — Bar code print quality test specification — Linear symbols (ISO/IEC 15416:2000)*

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

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

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

EAN•UCC *General Specifications (EAN International, Brussels)*

3 Terms and definitions

For the purposes of this European Standard, the terms and definitions given in EN 1556:1998 and the following apply.

3.1

guard bar

additional bar used to separate the trailing space of a start character from the leading space of the first symbol character in a row

3.2

mode character

symbol character in the first position after the start character in the first row of a symbol, used to define the initial code set and any implied special characters

3.3

separator bar

horizontal bar separating two rows of a symbol or abutting the top or bottom of the first or last row respectively