

## **Vöötkodeerimine. Sümbolidentifikaatorid**

### **Bar coding - Symbology identifiers**

## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

See Eesti standard EVS-EN 796:2000 sisaldab Euroopa standardi EN 796:1995 ingliskeelset teksti.	This Estonian standard EVS-EN 796:2000 consists of the English text of the European standard EN 796:1995.
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Tagasisidet standardi sisu kohta on võimalik edastada, kasutades EVS-i veebilehel asuvat tagasiside vormi või saates e-kirja meiliaadressile [standardiosakond@evs.ee](mailto:standardiosakond@evs.ee).

ICS 35.040

Võtmesõnad: alphanumeric character sets, bar codes, character recognition, data processing, designation, graphic characters, optical recognition, symbols,

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ICS 35.040

Descriptors: Bar coding, data exchange.

**English version**

**Bar coding**  
Symbology identifiers

Codes à barres; identifiants de  
symbologies

Strichcodierung; Symbologie-  
Identifikatoren

This European Standard was approved by CEN on 1995-06-22 and is identical to the ISO Standard as referred to.

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**CEN**

European Committee for Standardization  
Comité Européen de Normalisation  
Europäisches Komitee für Normung

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## Foreword

This European Standard has been prepared by the Technical Committee CEN/TC 225 "Bar coding" of which the secretariat is held by NNI.

Organisations contributing to the development of the standard include:

- AIM Europe (Automatic Identification Manufacturers)

NOTE: Not all of the symbologies which appear in this document are defined in European Standards; for information on current European Standards contact the CEN Central Secretariat or National Standards Organisations.

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of an identical text or by endorsement, at the latest by February 1996, and conflicting national standards shall be withdrawn at the latest by February 1996.

According to the CEN/CENELEC Internal Regulations, the following countries are bound to implement this European Standard: Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

## Introduction

A need has arisen to identify the symbology a bar code reader detects in autodiscrimination environments. Prior to this standard there has been no way for a device receiving data from a bar code reader to differentiate between the symbologies.

This standard provides a solution to this problem. The solution is the addition of an optional feature to bar code readers by which the reader may prefix a standard string of characters to data messages. This preamble contains information about the detected symbol and any processing the reader has done. The information is not encoded or otherwise represented in the symbol.

This standard should be read in conjunction with the relevant symbology specifications.

## 1 Scope

This standard is applicable to automatic identification device communication conventions.

This standard

- specifies the reporting of symbologies from bar code readers and other automatic identification equipment.
- specifies a short message interpretable by the receiving instrument, which indicates the bar code symbology or other origin of transmitted data, together with details of certain specified optional processing features associated with the bar code message.

## 2 Normative references

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.

prEN 1556	Bar Coding - Terminology
ISO 646:1991	Information processing - ISO 7-bit coded character set for information interchange

## 3 Definitions

For the purposes of this European Standard the following definitions and those of prEN 1556 apply:

**3.1 code character:** The character indicating to the host the bar code symbology of the symbol which has been read.

**3.2 flag character:** The character "]" (ASCII value 93), indicating to the host that the two characters following are the symbology identifier characters.

**3.3 modifier character:** The character indicating to the host the mode in which the symbology is used.