EESTI STANDARD

EVS-EN 1332-5:2006

Identification card systems - Man-machine interface - Part 5: Raised tactile symbols for differenciation of application on ID-1 cards

Identification card systems - Man-machine interface - Part 5: Raised tactile symbols for differenciation of application on ID-1 cards

EVS **EESTI STANDARDIKESKUS**

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 1332-5:2006 sisaldab Euroopa standardi EN 1332-5:2006 ingliskeelset teksti.	This Estonian standard EVS-EN 1332-5:2006 consists of the English text of the European standard EN 1332-5:2006.
Käesolev dokument on jõustatud 29.05.2006 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.	This document is endorsed on 29.05.2006 with the notification being published in the official publication of the Estonian national standardisation organisation.
Standard on kättesaadav Eesti standardiorganisatsioonist.	The standard is available from Estonian standardisation organisation.

Käsitlusala: The scenario addressed by this European Standard is one where the cardholder operates the card accepting equipment (e.g. a cash dispenser, ticket machine, vending machine, mass transportation). It is assumed that the card is a card conforming to ISO/IEC 7810.	**Scope:** The scenario addressed by this European Standard is one where the cardholder operates the card accepting equipment (e.g. a cash dispenser, ticket machine, vending machine, mass transportation). It is assumed that the card is a card conforming to ISO/IEC 7810.

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EUROPEAN STANDARD

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English Version

Identification card systems - Man-machine interface - Part 5: Raised tactile symbols for differenciation of application on ID-1 cards

Systèmes de cartes d'identification - Interface homme-machine - Partie 5 : Symboles tactiles en relief pour la différenciation des applications des cartes ID-1

Identifikationskartensysteme - Schnittstelle Mensch-Maschine - Teil 5: Erhöhte Tastsymbole auf ID-1-Karten zur Unterscheidung von Anwendungen

This European Standard was approved by CEN on 23 January 2006.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CEN member.

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, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
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Contents

Foreword

This European Standard (EN 1332-5:2006) has been prepared by Technical Committee CEN/TC 224 "Machine-readable cards, related device interfaces and operations", the secretariat of which is held by AFNOR.

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 September 2006, and conflicting national standards shall be withdrawn at the latest by September 2006.

This European Standard consists of the following parts, under the general title "Identification Card Systems - Man-Machine Interface":

Part 1: Design principles for the user interface

Part 2 Dimensions and location of a tactile identifier for ID-1 cards

Part 3: Keypads

Part 4: Coding of user requirements for people with special needs

Part 5: Raised tactile symbols for differentiation of application on ID-1 cards

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, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

Introduction

Machine readable cards facilitate the provision of a growing variety of services across Europe. The purpose of EN 1332 is to increase the accessibility of these services for the benefit of consumers. This will be achieved by facilitating the inter-sector and cross-border interoperability of machine readable cards and to do so with the maximum possible degree of user-friendliness.

EN 1332 addresses the needs of all users, including people with special needs, for example the aged, minors, the disabled, the visually impaired, those with learning difficulties, first time users, those not conversant with the local language.

EN 1332 specifies:

a)   the design principles for the user interface (including symbols) to be incorporated into design of card operated equipment, but not the machine operations associated with the selection and delivery of goods or services;

b)   a tactile identifier to be incorporated into the design of machine readable cards;

c)   a standard layout for the keypads of card operated equipment;

d)   coding of user requirements for people with special needs.

e)   raised tactile symbols for differentiation of application.

The contents of EN 1332 are generically based, not sector specific, and cover card operated equipment. It is recognised that the equipment may also be operated by other means, such as the insertion of notes and coins, but the scope of this standard has been, as indicated, narrowly defined.

1 Scope

The scenario addressed by this European Standard is one where the cardholder operates the card accepting equipment (e.g. a cash dispenser, ticket machine, vending machine, mass transportation).

It is assumed that the card is a card conforming to ISO/IEC 7810.

Increasing use is being made of machine readable plastic cards. However, some potential user groups such as people who are elderly, disabled, blind or visually impaired could have difficulty in using existing card layouts to distinguish between cards with different functions such as a bank, telephone, pre-payment or social security card.

This standard addresses the needs of users who have difficulty reading non-embossed information on plastic cards, including persons with special needs, for example older people, minors, disabled people, visually impaired people, those with learning difficulties, first time users, and those not conversant with the local language.

The aim of this standard is to specify the design principles necessary for raised tactile symbols to be incorporated into machine readable cards. This proposed standard, in Clause 6, specifies the form, dimensions and location of tactile identifiers for application with ID-1 cards which do not contain other raised symbols. For cards which already contain raised symbols, an alternative system is specified in Clause 7.

It is the responsibility of the card issuer to decide which raised symbols to add to identify applications.

The alternative system, as specified in Clause 7, should only be used when the system specified in Clause 6 is not suitable (e.g. when the card already contains embossing). Symbols that comply with Clause 7 should be negotiated between cardholder and issuer.

Raised symbols could be introduced in multi applications cards only if issuer can assure that each of these applications will still be active during the card life cycle.

Annex A specifies the procedure for assigning symbols according to this standard.

Raised symbols should only be used on a card after insuring that they will not interfere with the operation of the card (e.g. antenna for contactless card).

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 7810   *Identification cards - Physical characteristics*

ISO/IEC 7811-1   *Identification cards - Recording technique - Part 1: Embossing*

3 Terms and definitions

For the purposes of this European Standard, the following terms and definitions apply.

3.1
ID-1 (Identification card)
card identifying its holder and the issuer which may carry data required as input for the intended use of the card and for transactions based thereon