SLOVENSKI STANDARD
SIST EN 1362:1998

01-junij-1998

Identification card systems - Device interface characteristics - Classes of device interfaces

Identification card systems - Device interface characteristics - Classes of device interfaces

Identifikationskartensysteme - Eigenschaften von Endgeräteschnittstellen - Schnittstellenklassen

iTeh STANDARD PREVIEW
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Systemes de cartes d'identification - Caractéristiques d'interface des terminaux - Classes d'interfaces

Ta slovenski standard je istoveten z: **EN 1362:1997**

ICS:

35.240.15	Identifikacijske kartice in sorodne naprave	Identification cards and related devices

SIST EN 1362:1998 **en**

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EUROPEAN STANDARD

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EN 1362

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ICS 35.240.15

Descriptors: Telecommunication, telecommunication terminals, magnetic cards, interfaces, characteristics, classifications, dimensions, messages, codification

English version

Identification card systems - Device interface characteristics - Classes of device interfaces

Systèmes de cartes d'identification - Caractéristiques d'interface des terminaux - Classes d'interfaces

Identifikationskartensysteme - Eigenschaften von Endgeräteschnittstellen - Schnittstellenklassen

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CEN

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

Central Secretariat: rue de Stassart,36 B-1050 Brussels

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Contents

Foreword

This European Standard 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of an identical text or by endorsement, at the latest by July 1997, and conflicting national standards shall be withdrawn at the latest by July 1997.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of 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.

1 Scope

This European Standard specifies mandatory and optional interfaces between devices and machine readable cards, as well as other interfaces only to the extent that they are related to the processing of the machine readable card. It specifies the characteristics of each particular interface, and provides the means, through the use of bitmap coding, of readily identifying the capabilities of devices in order to ensure the compatibility between specific devices and cards. As far as technical specifications are concerned, it refers to other existing standards.

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.

EN 726-2	Identification card systems - Telecommunications integrated circuit(s) cards and terminals - Part 2 : Security framework
EN 726-3	Identification card systems - Telecommunications integrated circuit(s) cards and terminals - Part 3 : Application independant card requirements
EN 726-4	Identification card systems - Telecommunications integrated circuit(s) cards and terminals - Part 4 : Application independant card related terminal requirements
prEN 753-1	Identification card systems - Intersector thin flexible cards - Part 1 : General technical specifications
prEN 753-2	Identification card systems - Intersector thin flexible cards - Part 2 : Magnetic recording technique
EN ISO/IEC 10536-1	Identification cards - Contactless integrated circuit(s) cards - Part 1 : Physical characteristics (ISO/IEC 10536-1:1992)
EN 24909	Bank cards - Magnetic stripe data content for track 3 (ISO 4909:1987)
EN 27810	Identification cards - Physical characteristics (ISO 7810:1985)
EN 27811-2	Identification cards - Recording technique - Part 2 : Magnetic stripe (ISO 7811-2:1988)
EN 27811-4	Identification cards - Recording technique - Part 4 : Location of read-only magnetic tracks - Tracks 1 and 2 (ISO 7811-4:1985)
EN 27811-5	Identification cards - Recording technique - Part 5 : Location of read-write magnetic track - Track 3 (ISO 7811-5:1985)

EN 27813	Identification cards - Financial transaction cards (ISO 7813:1990)
EN 27816-1 : 1989	Identification cards - Integrated circuit(s) cards with contacts - Part 1 : Physical characteristics (ISO 7816-1:1987)
EN 27816-2 : 1989	Identification cards - Integrated circuit(s) cards with contacts - Part 2 : Dimension and location of the contacts (ISO 7816-2:1988)
EN 27816-3 : 1992	Identification cards - Integrated circuit(s) cards with contacts - Part 3 : Electronic signals and transmission protocols (ISO/IEC 7816-3:1989)
EN 28583	Financial transaction card originated messages - Interchange message specification (ISO 8583:1993)
ENV 1375-1	Identification card systems - Intersector integrated circuit(s) card additional format - Part 1 : ID-000 card size and physical characteristics
prENV 1375-2	Identification card systems - Intersector integrated circuit(s) card additional format - Part 2 : ID-00 card size and physical characteristics
ETS 300 115	Attachements to the Public Switched Telephone Network (PSTN) ; Category II attachement requirements for 300 bits per second duplex modems standardized for use on the PSTN (NET 21)
ETS 300 116	Attachements to the Public Switched Telephone Network (PSTN) ; Category II attachement requirements for 1200 bits per second duplex modems standardized for use on the PSTN (NET 22)
ETS 300 117	Attachements to the Public Switched Telephone Network (PSTN) ; Category II attachement requirements for 2400 bits per second duplex modems standardized for use on the PSTN (NET 23)
ETS 300 118	Attachements to the Public Switched Telephone Network (PSTN) ; Category II attachement requirements for 1200 bits per second half duplex and 1200/75 bits per second asymmetrical duplex modems standardized for use on the PSTN (NET 24)
ETS 300 175-2	Radio Equipment and systems (RES) - Digital European Cordless Telecommunications (DECT) Common Interface - Part 2 : Physical layer
ETS 300 175-3	Radio Equipment and systems (RES) - Digital European Cordless Telecommunications (DECT) Common Interface - Part 3 : Medium access control layer
ETS 300 175-4	Radio Equipment and systems (RES) - Digital European Cordless Telecommunications (DECT) Common Interface - Part 4 : Data link control layer

ETS 300 175-5

Radio Equipment and systems (RES) - Digital European Cordless Telecommunications (DECT) Common Interface - Part 5 : Network layer

ETS 300 175-9

Radio Equipment and systems (RES) - Digital European Cordless Telecommunications (DECT) Common Interface - Part 9 : Public access profile

ETS 300 331

Radio Equipment and systems (RES) - Digital European Cordless Telecommunications (DECT) authentication module specifications

I-ETS 300 021

European digital cellular telecommunication system (Phase 1) - Mobile Station - Base Station System (MS-BSS) interface data link layer specification (GSM 04.06)

I-ETS 300 022-1

European digital cellular telecommunications system (Phase 1) - Mobile radio interface layer 3 specification (GSM 04.08)

I-ETS 300 022-2

European digital cellular telecommunications system (Phase 1) - Mobile radio interface layer 3 specification - Part 2 : DCS extension (GSM 04.08-DCS)

I-ETS 300 023

European digital cellular telecommunications system (Phase 1) - Point-to-point short message service support on mobile radio interface (GSM 04.11)

I-ETS 300 024

European digital cellular telecommunications system (Phase 1) - Short Message Service Cell Broadcast (SMSCB) support on the mobile radio interface (GSM 04.12)

I-ETS 300 025

European digital cellular telecommunications system (Phase 1) - Rate adaptation on the Mobile Station - Base Station System (MS-BSS) interface (GSM 04.21)

I-ETS 300 026

European digital cellular telecommunications system (Phase 1) - Radio Link Protocol (RLP) for data and telematic services on the Mobile Station - Base Station System (MS-BSS) interface and the Base Station System - Mobile Services Switching Centre (BSS-MSC) interface (GSM 04.22)

I-ETS 300 027

European digital cellular telecommunications system (Phase 1) - Mobile radio interface layer 3 supplementary services specifications Formats and coding (GSM 04.80)

I-ETS 300 028

European digital cellular telecommunications system (Phase 1) - Mobile radio interface layer 3 call offering supplementary services specification (GSM 04.82)

I-ETS 300 029

European digital cellular telecommunications system (Phase 1) - Mobile radio interface layer 3 restriction supplementary services specification (GSM 04.88)

I-ETS 300 030	European digital cellular telecommunications system (Phase 1) - Multiplexing and multiple access on the radio path (GSM 05.02)
I-ETS 300 031	European digital cellular telecommunications system (Phase 1) - Channel coding (GSM 05.03)
I-ETS 300 032	European digital cellular telecommunications system (Phase 1) - Modulation (GSM 05.04)
I-ETS 300 033-1	European digital cellular telecommunications system (Phase 1) - Radio transmission and reception (GSM 05.05)
I-ETS 300 033-2	European digital cellular telecommunications system (Phase 1) - Radio transmission and reception - Part 2 : DCS extension (GSM 05.05-DCS)
I-ETS 300 034-1	European digital cellular telecommunications system (Phase 1) - Radio sub-system link control (GSM 05.08)
I-ETS 300 034-2	European digital cellular telecommunications system (Phase 1) - Radio sub-system link control - Part 2 : DCS extension (GSM 05.08-DCS)
I-ETS 300 045-1	European digital cellular telecommunications system (Phase 1) - Subscriber Identity Module - Mobile Equipment (SIM-ME) interface specification (GSM 11.11)
I-ETS 300 045-2	European digital cellular telecommunications system (Phase 1) - Subscriber Identity Module - Mobile Equipment (SIM-ME) interface specification - Part 2 : DCS extension (GSM 11.11-DCS)
ISO 2110	Information technology - Data communication - 25-pole DTE/DCE interface connector and contact number assignments
ISO 4902	Information technology - Data communication - 37-pole DTE/DCE interface connector and contact number assignments
ISO/IEC 7816-4	Identification cards - Integrated circuit(s) cards with contacts - Part 4 : Interindustry commands for interchange
ISO/IEC 8473-1	Information technology - Protocol for providing the connectionless-mode network service - Part 1 : Protocol specification
ISO/IEC/DIS 8473-2	Information technology - Protocol for providing the connectionless-mode network service - Part 2 : Provision of the underlying service by an ISO/IEC 8802 subnetwork
ISO/IEC TR 8802-1	Information technology - Telecommunications and information exchange between systems - Local and metropolitan area networks - Specific requirements - Part 1 : Overview of Local Area Network Standards

ISO/IEC 8802-3	Information technology - Local and metropolitan area networks - Part 3 : Carrier sense multiple access with collision detection (CSMA/CD) access method and physical layer specifications
ISO/IEC 8802-4	Information processing systems - Local area networks - Part 4 : Token-passing bus access method and physical layer specifications
ISO/IEC 8802-5	Information processing systems - Local and metropolitan area networks - Part 5 : Token ring access method and physical layer specifications
ISO 9542	Information processing systems - Telecommunications and information exchange between systems - End system to intermediate system routeing exchange protocol for use in conjunction with the Protocol for providing the connectionless-mode network service (ISO 8473).
ISO 9992-2	Financial transaction cards - Messages between the integrated circuit card and the card accepting device - Part 2 : Functions, messages (commands and responses), data elements and structures
ISO/IEC 10536-2	Identification cards - Contactless integrated circuit(s) cards - Part 2 : Dimensions and location of coupling areas
ISO/IEC 10536-3	Identification cards - Contactless integrated circuit(s) cards - Part 3 : Electronic signals and reset procedures
ISO/IEC 11694-2	Identification cards - Optical memory cards - Linear recording method - Part 2 : Dimensions and location of the accessible optical area
ISO/IEC 11694-3	Identification cards - Optical memory cards - Linear recording method - Part 3 : Optical properties and characteristics
ISO/IEC/DIS11694-4	Identification cards - Optical memory cards - Linear recording method - Part 4 : Logical data structures
ITU-T recommendation I.430	Basic user-network interface - Layer 1 specification
ITU-T recommendation V.24	List of definitions for interchange circuits between data terminal equipment (DTE) and data circuit-terminating equipment (DCE)
ITU-T recommendation V.28	Electrical characteristics for unbalanced double-current interchange circuits
CCITT recommendation X.21	Interface between data terminal equipment and data circuit-terminating equipment for synchronous operation on public data networks
ITU-T recommendation X.25	Interface between data terminal equipment (DTE) and data circuit-terminating equipment (DCE) for terminals operating in the packet mode and connected to public data networks by dedicated circuit

CCITT recommendation X.26	Electrical characteristics for unbalanced double-current interchange circuits for general use with integrated equipment in the field of data communications
CCITT recommendation X.27	Electrical characteristics for balanced double-current interchange circuits for general use with integrated equipment in the field of data communications
ITU-T recommendation X.28	DTE/DCE interface for a start-stop mode data terminal equipment accessing the packet assembly/disassembly facility (PAD) in a public data network situated in the same country
ITU-T recommendation X.31	Support of packet mode terminal equipment by an ISDN
ITU-T recommendation X.32	Interface between DTE and DCE for terminals operating in the packet mode and accessing a packet switched public data network through a public switched telephone network or an integrated services digital network or a circuit switched public data network

3   Definitions and abbreviations

NOTE : The definitions in this inter-industry standard are independent of any specific application.

3.1   Definitions

For the purposes of this standard, the following definitions apply :

3.1.1   interface : The logical and/or physical connection between a component or sub-assembly in a terminal and an external entity, e.g. a card, a secure application module, a human being or a communication link during a transaction process. An interface may be established for all or part of a transaction process and has or may have an interaction with the card, or with its technology(ies), or with its operation.

3.1.2   security module : A module intended to contain algorithm(s), related keys, security procedures and information to protect an application in such a way that unauthorised access is not possible. In order to achieve this, the module shall be physically, electrically and logically protected.

3.1.3   interface device : A communication device to which a card is logically connected during the transaction process.

3.1.4   personal identification number : A code or password that the customer possesses for verification of identity.

3.1.5   basic interface characteristic : A two digit code representing one or more options pertaining to a characteristic for a specific interface.

3.1.6   elementary interface code : A sequence of basic interface characteristics in a particular order.

3.1.7   global interface code : A set of elementary interface codes.