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IDENTIFICATION CARD SYSTEMS - INTER-SECTOR ELECTRONIC PURSE - PART 4: DATA OBJECTS

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EUROPEAN STANDARD

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EN 1546-4

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English version

Identification card systems - Inter-sector electronic purse - Part 4: Data objects

Systèmes de cartes d'identification - Porte-monnaie électronique intersectoriel - Partie 4: Objets de données

Identifikationskartensysteme - Branchenübergreifende elektronische Geldbörse - Teil 4: Datenobjekte

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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of an identical text or by endorsement, at the latest by February 2000, and conflicting national standards shall be withdrawn at the latest by February 2000.

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

This European Standard consists of the following parts, under the general title “Identification card systems - Inter-sector electronic purse”:

— *Part 1 : Definitions, concepts and structures*

— *Part 2 : Security architecture*

— *Part 3 : Data elements and interchanges*

— *Part 4 : Data objects*

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1 Scope

This part of EN 1546 defines the Tag values required and describes the Dictionary mechanisms necessary for their utilisation in order to achieve interoperability between IEP Systems where Data Elements have different lengths and/or the ordering of Data Elements in commands and responses is different from that defined in EN 1546-3. The mechanisms are based on TLV (Tag-length-value) definitions of each Data Element.

Tags and mechanisms are also defined for handling Discretionary Data elements additional to those defined in EN 1546-3. The TLV mechanisms used are in accordance with ASN.1.

Examples of utilisation of Dictionaries are described in an informative Annex.

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 1546-1, *Identification card systems - Inter-sector electronic purse - Part 1 : Definitions, concepts and structures.*

EN 1546-2, *Identification card systems - Inter-sector electronic purse - Part 2: Security architecture*.

EN 1546-3:1995, *Identification card systems - Inter-sector electronic purse - Part 3: Data elements and interchanges*.

EN ISO 3166-1:1997, *Codes for the representation of names of countries and their subdivisions – Part 1 : Country codes (ISO 3166-1:1997)*.

EN ISO/IEC 7816-4:1996, *Information technology - Identification cards - Integrated circuit(s) cards with contacts - Part 4: Interindustry commands for interchange (ISO/IEC 7816-4 :1995).*

EN ISO/IEC 7816-6:1997, *Identification cards - Integrated circuit(s) cards with contacts - Part 6 : Interindustry data elements (ISO/IEC 7816-6:1996).*

ISO/IEC 8825 (all parts), *Information technology - ASN.1 encoding rules.*

ISO 8859-1:1987, Information processing - 8-bit single-byte coded graphic character sets - Part 1: Latin alphabet No. 1

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