

American National Standard

INCITS/ISO/IEC 7816-5:2004 (R2019)

(ISO/IEC 7816-5:2004, IDT)

*Identification cards - Integrated circuit(s)
cards with contacts - Part 5: Registration
system for application in IC Cards*

Developed by



Where IT all begins



INCITS/ISO/IEC 7816-5:2004 (R2019)

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Adopted by INCITS (InterNational Committee for Information Technology Standards) as an American National Standard.

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STANDARD

7816-5

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INCITS/ISO/IEC 7816-5:2004[R2014]

**Identification cards — Integrated circuit(s)
cards with contacts —**

Part 5:

Numbering system and registration procedure
for application identifiers

Cartes d'identification — Cartes à circuit(s) intégrés(s) à contacts —

*Partie 5: Système de numérotation et procédure d'enregistrement pour les
identificateurs d'applications*

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ISO/IEC 7816-5:1994(E)

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Foreword

ISO (the International Organization for Standardization) and IEC (the International Electrotechnical Commission) form the specialized system for worldwide standardization. National bodies that are members of ISO or IEC participate in the development of International Standards through technical committees established by the respective organization to deal with particular fields of technical activity. ISO and IEC technical committees collaborate in fields of mutual interest. Other international organizations, governmental and non-governmental, in liaison with ISO and IEC, also take part in the work.

In the field of information technology, ISO and IEC have established a joint technical committee, ISO/IEC JTC 1. Draft International Standards adopted by the joint technical committee are circulated to national bodies for voting. Publication as an International Standard requires approval by at least 75 % of the national bodies casting a vote.

International Standard ISO/IEC 7816-5 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 17, *Identification cards and related devices*.

ISO/IEC 7816 consists of the following parts, under the general title *Identification cards — Integrated circuit(s) cards with contacts*:

- *Part 1: Physical characteristics*
- *Part 2: Dimensions and location of the contacts*
- *Part 3: Electronic signals and transmission protocols*
- *Part 4: Interindustry commands for interchange*
- *Part 5: Numbering system and registration procedure for application identifiers*

Annex A forms an integral part of this part of ISO/IEC 7816. Annex B is for information only.

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Identification cards – Integrated circuit(s) cards with contacts–

Part 5 : Numbering system and registration procedure for application identifiers

1 Scope

This part of ISO/IEC 7816 specifies a numbering system for application identifiers and a registration procedure for application provider identifiers.

The numbering system described in this standard provides a means for an application and related services offered by a provider to identify if a given card contains the elements required by its application and related services.

An application identifier (AID) is used to address an application in the card.

This part of ISO/IEC 7816 specifies the coding of application identifiers together with means and mechanisms for addressing application parts in cards.

This part of ISO/IEC 7816 establishes the authorities and procedures to ensure and optimize the reliability of the corresponding registration.

2 Normative references

The following standards contain provisions which, through reference in this part of ISO/IEC 7816, constitute provisions to this standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this part of ISO/IEC 7816 are encouraged to investigate the possibility of applying the most recent editions of the standards listed below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 3166 : 1981, *Codes for the representation of names of countries*.

ISO/IEC 8824 : 1990, *Information technology – Open Systems Interconnection – Specification of Abstract Syntax Notation One (ASN.1)*.

ISO/IEC 8825 : 1990, *Information technology – Open Systems Interconnection – Specification of Basic Encoding Rules for Abstract Syntax Notation One (ASN.1)*.

ISO 7812 : 1987, *Identification cards – Numbering system and registration procedure for issuer identifiers*.

ISO 7816-1 : 1987, *Identification cards – Integrated circuit(s) cards with contacts – Part 1: Physical characteristics*.

ISO/IEC 7816-3 : 1989, *Identification cards – Integrated circuit(s) cards with contacts – Part 3: Electronic signals and transmission protocols*.

ISO/IEC 7816-4:—¹⁾, *Identification cards – Integrated circuit(s) cards with contacts – Part 4: Interindustry commands for interchange*.

3 Definitions and abbreviations

For the purposes of this part of ISO/IEC 7816, the definitions given in ISO/IEC 7816-4, as well as the following definitions, apply.

3.1 Definitions

3.1.1 application identifier : A data element which identifies an application in a card. An application identifier may contain a registered application provider identifier. If it contains either a registered application provider identifier or an issuer identification number, then this identification is unambiguous.

3.1.2 application provider : An entity which provides those components of an application on a card required to perform the respective application.

¹⁾ To be published