BUREAU OF INDIAN STANDARDS
DRAFT FOR COMMENTS ONLY

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Draft Indian Standard

Identification Cards - Integrated Circuit Cards

Part 6: Interindustry Data Elements for Interchange

(Third Revision)

मसौदा भारतीय मानक

पहचान कार्ड्स - इन्टेग्रेटेड सर्किट कार्ड्स

भाग 6: इटरंइडंस्ट्री डाटा एलिमेन्ट्स के लिए इंटरचेंज

(तीसरा संशोधन)

ICS 35.240.15

LITD 16 Identification & Data Capture Techniques, Cards and Security Devices Sectional Committee	**Last Date for Comments: 09 August 2022.**

NATIONAL FOREWORD

(Formal clauses will be added later)

This Draft Indian Standard (Part 6) which is identical with ISO/IEC/FDIS 7816-6:2022 'Identification cards Integrated circuit cards Part 6: Interindustry data elements for interchange' was adopted by the Bureau of Indian Standards on the recommendation of the Identification & Data Capture Techniques, Cards and Security Devices Sectional Committee and approval of the Electronics and Information Technology Division Council.

This standard was originally published in 2003 and subsequently revised in 2013. The original version of this standard was identical with ISO/IEC 7816-6: 1996 issued by ISO and IEC. The First Revision was based on ISO/IEC 7816-6: 2004. The Second Revision was based on ISO/IEC 7816-6: 2016 and the Third Revision of this standard has been undertaken to align it with the latest version of ISO/IEC/FDIS 7816-6:2022.

The main changes compared to the previous edition are as follows:
The data format of IC manufacturer ID has been extended from a single byte to multiple bytes.

Other parts in this series are:
Part 1 Physical characteristics
Part 2 Dimensions and location of the contacts
Part 3 Electrical interface and transmission protocols
Part 4 Organization, security and commands for interchange
Part 5 Registration of application providers
Part 7 Interindustry commands for Structured Card Query Language (SCQL)
Part 8 Commands for security operations
Part 9 Commands for card management
Part 10 Electronic signals and answer to reset for synchronous cards
Part 11 Personal verification through biometric methods
Part 12 Cards with contacts — USB electrical interface and operating procedures
Part 13 Commands for application management in a multi-application environment
Part15 Cryptographic information application

The text of IEC Standard has been approved as suitable for publication as an Indian Standard without deviations. Certain conventions are however not identical to those used in Indian Standards. Attention is particularly drawn to the following:

   a) Wherever the words 'International Standard' appears referring to this standard, they should be read as 'Indian Standard'.

In this adopted standard, reference appears to certain International Standards for which Indian Standards also exist. The corresponding Indian Standards, which are to be substituted in their places, are listed below along with their degree of equivalence for editions indicated:

International Standard	Corresponding Indian Standard	Degree of Equivalence
ISO/IEC 4909, Identification cards — Financial transaction cards — Magnetic stripe data content for track 3	IS 15414 : 2018 Identification cards - Financial transaction cards - Magnetic stripe data content for track 3 (First Revision)	Identical with ISO/IEC 4909:2006
ISO/IEC 7813, Information technology — Identification cards — Financial transaction cards	IS 14174 : 2013 Information technology - Identification cards - Financial transaction cards (First Revision)	Identical with ISO/IEC 7813:2006

The technical committee has reviewed the provisions of the following International Standards referred in this adopted standard and has decided that they are acceptable for use in conjunction with this standard:

International Standard	*Title*
ISO/IEC 10918-1	*Information technology — Digital compression and coding of continuous-tone still images: Requirements and guidelines*
ISO/IEC 11544	*Information technology — Coded representation of picture and audio information Progressive bi-level image compression*

For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated, expressing the result of a test or analysis, shall be rounded off in accordance with IS 2:1960 'Rules for rounding off numerical values (*revised*)'. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

SCOPE OF ISO/IEC FDIS 7816-6:2020

This document specifies directly or by reference, data elements, including composite data elements that may be used in interindustry interchange.

It identifies the following characteristics of each data element:
— Identifier;
— name;
— Description and reference;
— format and coding (if not available in other ISO standards or parts of the ISO/IEC 7816 series).

The layout of each data element is described as seen at the interface between the interface device and the card.

This document provides the definition of data elements without consideration of any restrictions on the usage of the data elements.

It does not cover the internal implementation within the card and/or the outside world. With the exception of login data objects (6.5), only application class tags are eligible in this document.

When using an interindustry template, an application is allowed to nest context-specific class tags (see ISO/IEC 7816-4) under such a template unless it is previously marked as reserved for future use by ISO/ IEC JTC 1/SC 17.

Note: - The Technical content of this document has not been enclosed as these are identical with the corresponding ISO/IEC Standard. For details please refer ISO/IEC FDIS 7816 (Part 6): 2022 or kindly contact.

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