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Doc. MHR 17 (0139)

ISO: 20301:2006

***Draft Indian Standard***

Health Informatics- Health Cards-General Characteristics

Not to be produced without the permission of BIS or used as a Standard	Last Date of Comments: <b>15-03-2009</b>
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**NATIONAL FOREWORD**

(Formal clauses of adoption will be added later)

This draft Indian Standard is identical with ISO 20301:2006 'Health Informatics- Health Cards-General Characteristics' issued by the International Organization for Standardization (ISO).

This Draft Indian Standard describes general characteristics of machine-readable cards used in the field of healthcare.

The purpose of using machine-readable cards in the field of healthcare is to improve the quality of health service and the efficient use of healthcare resources in the field. The primary consideration in creating this draft Indian Standard has been to improve patient service and patient safety, as well as improve the practical use of healthcare data cards in clinical fields.

This draft Indian Standard exempts the following items from standardization efforts:

- Standardizing the clinical practice of medicine and
- Defining a standardized healthcare delivery service structure

In the past years, healthcare data cards have been used to exchange healthcare data by placing necessary and appropriate information on the surface of the cards in order to implement the health service of each country. However, as people now move more frequently across borders, healthcare data cards issued in one country or area are increasingly being used in another, and with this consideration in mind this draft Indian Standard has been designed to apply to healthcare data cards that will be used internationally.

This draft Indian Standard is applicable to healthcare data cards used for healthcare services provided by the card issuer and it is designed to accept relevant technologies and recording techniques for healthcare data cards.

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

- a) Wherever the word ‘International Standard’ appear referring to this standard, they should be read as Indian Standard
- b) Comma (,) has been used as a decimal marker while in Indian Standards, the current practice is to use a point (.) as the decimal marker.

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

<i>International Standards</i>	<i>Corresponding Indian Standard</i>	<i>Degree of Equivalence</i>
ISO 3166-1:1997 Codes for the representation of names of countries and their subdivisions Part 1: Country codes	IS 14836: Part 1:2000 Codes for the representation of names of countries and their sub-divisions	Identical
ISO/IEC 7810:2003 Identification cards–Physical characteristics	IS 14172:1994 Identification cards–Physical characteristics	Technically Equivalent
ISO/IEC 7811-1:2002 Identification cards–Recording technique–Part 1:Embossing	IS 14147(Part 1):2003 Identification cards–Recording technique –Part 1: Embossing( <i>first revision</i> )	Identical
ISO/IEC 7811-2:2001 Identification cards–Recording technique–Part 2: Magnetic stripe–Low coercivity	IS 14147(Part 2):2003 Identification cards–Recording technique –Part 2: Magnetic stripe–Low coercivity	do
ISO 7811-3:1985 Identification cards–Recording technique–Part 3: Location of embossed characters on ID-1 cards	IS 14147(Part 3):1994 Identification cards–Recording technique –Part 3: Location of embossed characters on ID-1 cards	do
ISO 7811-4:1985 Identification cards–Recording technique–Part 4: Location of read-only magnetic track–Track 1&2	IS 14147(Part 4):1994 Identification cards–Recording technique –Part 4: Location of read-only magnetic track–Track 1&2	do
ISO 7811-5:1985 Identification cards–Recording technique–Part 5 Location of read-write magnetic track–Track 3	IS 14147(Part 5):1994 Identification cards–Recording technique –Part 5 Location of read-write magnetic track–Track 3	do

ISO/IEC 7812-1:2000 Identification cards– Identification of issuers– Part 1: Numbering system	IS 14173(Part1):2003 Identification cards– Identification of issuers– Part 1: Numbering system ( <i>first revision</i> )	do
ISO/IEC 7816-1:1998 Identification cards– Integrated circuit cards with contacts–Part 1: Physical Characteristics	IS 14202(Part 1): 2003 Identification cards– Integrated circuit cards with contacts–Part 1: Physical Characteristics	do
ISO/IEC 7816-2:1999 Identification cards– Integrated circuit cards with contacts–Part 2: Dimensions and location of the contacts	IS 14202(Part 2): 2003 Identification cards– Integrated circuit cards with contacts–Part 2: Dimensions and location of the contacts( <i>first revision</i> )	do
ISO/IEC 7816-3:1997 Identification cards– Integrated circuit cards with contacts–Part 3: Electronic signals and transmission protocols	IS 14202(Part 3): 2002 Identification cards– Integrated circuit cards with contacts–Part 3: Electronic signals and transmission protocols	do
ISO/IEC 7816-5:1994 Identification cards– Integrated circuit cards with contacts–Part 5 Numbering system and registration procedure for application identifiers	IS 14202(Part 5): 2003 Identification cards– Integrated circuit cards with contacts–Part 5: Numbering system and registration procedure for application identifiers	do
ISO/IEC 7816-6:1996 Identification cards– Integrated circuit cards with contacts–Part 6 Interindustry data elements	IS 14202(Part 6): 2003 Identification cards– Integrated circuit cards with contacts–Part 6 Interindustry data elements	do

The concerned technical committee responsible for the preparation of this standard has reviewed the provision of the following International Standards and has decided that they are acceptable for use in conjunction with this standard.

*International Standards*

*Title*

ISO/IEC 7816-4:2005

Identification cards–Integrated circuit cards–Part 4:  
Organization, security and command for interchange

ISO/IEC 10373(all parts)	Identification cards–Test methods
ISO/IEC 10536(all parts)	Identification cards–Contactless integrated circuit(s) cards (–Close-coupled cards)
ISO/IEC 11693	Identification cards–Optical memory cards–General Characteristics
ISO/IEC 11694(all parts)	Identification cards–Optical memory cards–Linear recording method
ISO/IEC 14443(all parts)	Identification cards–Contactless integrated circuit(s) cards– Proximity cards
ISO/IEC 15420	Information technology–Automatic identification and data capture techniques–Bar code symbology specification– EAN/UPC
ISO/IEC 15438	Information technology–Automatic identification and data capture techniques–PDF417 bar code symbology specification
ISO/IEC 15693(all parts)	Identification cards– Contactless integrated circuit(s) cards–Vicinity cards
ISO 20302	Health informatics–Health cards–Numbering system and registration procedure for issuers identifiers
ISO 21549-1:2004	Health informatics–Patient healthcard data–Part 1: General Structure
ISO 21549-2:2004	Health informatics–Patient healthcard data–Part 2: Common objects

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