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Information technology — Identification cards — Integrated circuit(s) cards with contacts — Part 13: Registration of integrated circuit manufacturers

Technologies de l'information — Cartes d'identification — Cartes à circuit(s) intégré(s) à contacts — Partie 13 : Enregistrement des fabricants de circuits intégrés

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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.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 3.

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.

Attention is drawn to the possibility that some of the elements of this part of ISO/IEC 7816 may be the subject of patent rights. ISO and IEC shall not be held responsible for identifying any or all such patent rights.

International Standard ISO/IEC 7816-13 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 17, *Cards and personal identification*. It cancels and replaces ISO/IEC 7816-6:1996: Amd.1:2000, *Integrated circuit manufacturer registration*.

ISO/IEC 7816 consists of the following parts, under the general title *Information technology — 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: Registration procedures for application providers*
- *Part 6: Interindustry data elements for interchange*
- *Part 7: Interindustry commands for Structured Card Query Language (SCQL)*
- *Part 8: Interindustry commands for a cryptographic toolbox*
- *Part 9: Interindustry commands for card and file management*
- *Part 10: Electronic signals and answer to reset for synchronous cards*
- *Part 11: Personal verification through biometric methods*
- *Part 12: USB electrical interface and operating procedures*
- *Part 13: Registration of integrated circuit manufacturers*
- *Part 15: Cryptographic information application*

Annex A forms an integral part of this part of ISO/IEC 7816.

Information technology — Identification cards — Integrated circuit(s) cards with contacts — Part 13: Registration of integrated circuit manufacturers

1 Scope

This part of ISO/IEC 7816 specifies

- a numbering system for integrated circuit manufacturer identifiers;
- rules for registration of integrated circuit manufacturers and rules for assignment of identifiers;

to identify manufacturers of integrated circuits embedded in contact and/or contactless integrated circuits cards. The assigned values of the integrated circuit manufacturer identifiers form the register provided in annex A.

2 Identification of integrated circuit manufacturers

For identifying manufacturers of integrated circuits embedded in contact and/or contactless cards, this clause specifies an identifier and rules for assignment and registration. The identifier indicates the manufacturer.

The identifier consists of one byte where the bits are not all set to one; the value 'FF' is reserved for future extension. Longer identifiers are reserved for future use.

The identifier byte shall be used according to Table 1.

Table 1 — Identifier byte

Value	Meaning
'00'	Reserved for future use
'01' – '7E'	Reserved for the register (see Annex A)
'7F', '80'	Reserved for future use
'81' – 'FE'	Proprietary
'FF'	Reserved for future extension

The ISO/IEC JTC 1/SC 17 Secretariat ¹⁾ assigns and registers the integrated circuit manufacturer identifiers (range '01' to '7E') according to the following rules.

- The assignment is made upon request from any integrated circuit manufacturer or any interested party.
- A single number will be assigned to each manufacturer (next available number).
- The assigned values shall form the register provided in annex C.
- A copy of the register shall be made available upon request to the ISO/IEC JTC 1/SC 17 Secretariat.

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Annex A (normative)

Register of integrated circuit manufacturer identifiers

Table A.1 — Register of integrated circuit manufacturer identifiers

Identifier	Company	Address
'01'	Motorola	MOS Memory & Microprocessor Division Colvilles Road Kelvin Industrial Estate East Kilbride Glasgow G75 0TG United Kingdom
'02'	S T Microelectronics	IC Card Division 7, Avenue Galliéni BP 93 F-94253 Gentilly Cedex France
'03'	Hitachi, Ltd	Semiconductor & Integrated Circuits Group 20-1, Jousuihon-cho 5 chome Kodaira-shi Tokyo 187-8588 Japan
'04'	Philips Semiconductors	Productgroup Identification Stresemannallee 101 D-22529 Hamburg Germany
'05'	Infineon Technologies AG	Security & Chip Card ICs P.O. Box 80 09 49 D-81609 München Germany
'06'	Cylink	Sunnivale, CA USA
'07'	Texas Instrument	Smart Card Division BP 5 F-06271 Villeneuve Loubet Cedex France
'08'	Fujitsu Limited	1-1, Kamikodanaka 4-Chome nakahara-ku Kawasaki 211-8588 Japan
'09'	Matsushita Electronics Corporation	1-1 Saiwai-cho Takasaki Osaka 569-1193 Japan
'0A'	NEC	1-10 Nisshin-cho Fuchu-shi Tokyo 183 Japan
'0B'	Oki Electric Industry Co. Ltd	LSI Division 550-1 Higashiasakawa-cho Hachioji-shi Tokyo 193-8550 Japan
'0C'	Toshiba Corp.	1-1, Shibaura 1-Chome Minato-Ku Tokyo 105-8001 Japan

Table A.1 — Register of integrated circuit manufacturer identifiers (continued)

Identifier	Company	Address
'0D'	Mitsubishi Electric Corp.	
'0E'	Samsung Electronics Co. Ltd	Smart Card LSI Division San 24 Nongseo-Ri Kiheung-Eup Yongin-City Kyungki-Do Korea
'0F'	Hyundai Electronics Industries Co. Ltd	San 136-1 Ami-ri, Bubal-eub Ichon-si Kyungki-do Korea 467-701
'10'	LG-Semiconductors Co. Ltd	106 138 Bdg. Sinlim-Dong Gwanak-Ku Seoul Korea 151-742
'11'	Emosyn-EM Microelectronics	7 Commerce Drive, Danbury, Connecticut CT 06810, USA
'12'	INSIDE Technology	11a Parc du Club de Golf, ZAC de Pichaury F-13856 Aix en Provence Cedex 03 France
'13'	ORGA Kartensysteme GmbH	An der Kapelle 2 D-33104 Paderborn Germany
'14'	SHARP Corporation	22-22 Nagaike-cho Abeno-ku Osaka 545-5822 Japan
'15'	ATMEL	Smart Card ICs Division Zone Industrielle F-13106 Le Rousset France
'16'	EM Microelectronic-Marin SA	Sors 3 CH-2074 Marin Switzerland
'17'	KSW Microtec GmbH	Gostritzer Strasse 63 D-01217 Dresden Germany
'18'		Not assigned
'19'	XICOR, Inc.	1511 Buckeye Drive, Multipas, CA 95035, USA <i>NOTE Emosyn has purchased the right to use Xicor products and has asked that their details also be included in the register.</i>