INTERNATIONAL STANDARD

ISO/IEC
7816-6

First edition
1996-05-15
AMENDMENT 1
2000-06-15

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

Part 6:
Interindustry data elements

AMENDMENT 1: IC manufacturer registration

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

Partie 6: Éléments de données intersectoriels

AMENDEMENT 1: Enregistrement des fabricants de circuits intégrés

Reference number
ISO/IEC 7816-6:1996/Amd.1:2000(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.

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 Amendment may be the subject of patent rights. ISO and IEC shall not be held responsible for identifying any or all such patent rights.

Amendment 1 to International Standard ISO/IEC 7816-6:1996 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 17, *Identification cards and related devices*.

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Part 6:
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AMENDMENT 1: IC manufacturer registration

Page 4, subclause 4.4

In last line, change "table 8" to "table 10"

Page 8, after subclause 6.9

Add the following text as new subclause 6.10:

6.10 IC manufacturer registration

6.10.1 Scope

This subclause specifies:

— the numbering system,

— the rules for assignment, and

— the assigned values

to identify manufacturers of integrated circuits used in contact and/or contactless integrated circuits cards.

6.10.2 Numbering system

The structure and coding of the IC manufacturer identifier is one byte binary with a reserved value for future extension ('FF' reserved for future extension)

This byte shall be used according to Table 8:

Table 8 — Coding of IC manufacturer identifiers data element

Hexadecimal Value	Use
'00'	RFU
'01' - '7E'	See assignment and registration procedure in 6.10.3 and currently registered identifiers in 6.10.4, Table 9
'7F'	RFU
'80'	RFU
'81' - 'FE'	Proprietary
'FF'	Reserved for future extension

6.10.3 Assignment of IC manufacturer identifiers

The IC manufacturer identifiers (range '01' - '7E') are assigned and registered by the ISO/IEC JTC 1/SC 17 Secretariat [1] according to the following rules:

⎯   the assignment is made upon request by an IC manufacturer or any interested party;

⎯   a single number will be assigned to each manufacturer (next available number);

⎯   a copy of the register shall be made available upon request to the ISO/IEC JTC 1/SC 17 secretariat.

6.10.4 Register of IC manufacturer identifiers

The data object IC manufacturer identifier has the tag '5F4B'. The assigned values for the related data element are shown in Table 9.

Table 9 — Registered IC manufacturers

IC manufacturer identifier	Company	Address
'01'	Motorola	Address: MOS Memory & Microprocessor Division Colvilles Rd Kelvin Industrial Estate East Kilbride Glasgow G75 0TG Country: United Kingdom Telephone: +44 135 556 5731 Fax: +44 135 525 64582
'02'	S T Microelectronics	Address: IC Card Division 7, Ave Galliéni BP 93 94253 GENTILLY Cdx Country: France Telephone: +33 1 4740 7575 Fax: +33 1 4740 7910
'03'	Hitachi, Ltd	Address: Semiconductor & Integrated Circuits Group 20-1, Jousuihon-cho 5 chome Kodaira-shi Tokyo 187-8588 Country Japan Telephone: +81 42 320 7301 (ext 3313) Fax: +81 42 327 8693

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[1] Mrs F. Bennett, APACS, Mercury House, Triton Court, 14 Finsbury Square, London EC2 1LQ, UK - email: fjb@apacs.org.uk

Table 9 — Registered IC manufacturers (*continued*)

IC manufacturer identifier	Company	Address
'04'	Philips Semiconductors	Address: Productgroup Identification Stresemannallee 101 D- 22529 Hamburg Country: Germany Telephone: +49 40 5613 2995 Fax: +49 40 5613 3554
'05'	Infineon Technologies AG	Address: Security & Chip Card ICs P.O. Box 80 09 49 D 81609 München Country: Germany Telephone: +49 89 234-24145 Fax: +49 89 234-28925
'06'	Cylinc	Address: Sunnivale, CA Country: USA
'07'	Texas Instrument	Address: Smart Card Division BP 5 06271 Villeneuve Loubet Cdx Country: France Telephone: +33 4 9322 2220 Fax: :+334 9322 2637
'08'	Fujitsu Limited	Address: 1-1, Kamikodanaka 4-Chome nakahara-ku Kawasaki 211-8588 Country: Japan Telephone: +81 44 754 3767 Fax: +81 44 754 3343
'09'	Matsushita Electronics Corporation	Address: 1-1 Saiwai-cho Takasuki Osaka 569-1193 Country: Japan Telephone: +81 726 82 7530 Fax: +81 726 82 7093
'0A'	NEC	Address: 1-10 Nisshin-cho Fuchu-shi Tokyo 183 Country: Japan Telephone: :+81 423 33 1498 Fax: +81 423 33 1856

Table 9 — Registered IC manufacturers (*continued*)

IC manufacturer identifier	Company	Address
'0B'	Oki Electric Industry Co. Ltd	Address: LSI Division 550-1 Higashiasakawa-cho Hachioji-shi Tokyo 193-8550 Country: Japan Telephone: :+81 426 63 1111 Fax: +81 426 65 6536
'0C'	Toshiba Corp.	Address: 1-1, Shibaura 1-Chome Minato-Ku Tokyo 105-8001 Country: Japan Telephone: :+81 3 3457 8412 Fax: +81 3 5444 9218
'0D'	Mitsubishi Electric Corp.	
'0E'	Samsung Electronics Co. Ltd	Address: Smart Card LSI Division San 24 Nongseo-Ri Kiheung-Eup Yongin-City Kyungki-Do Country: Korea Telephone: :+82 331 209 3437 Fax: :+82 331 209 6533
'0F'	Hyundai Electronics Industries Co. Ltd	Address: San 136-1 Ami-ri, Bubal-eub Ichon-si Kyungki-do Country: Korea 467-701 Telephone: +82 336 30 2016 Fax: +82 336 30 2022
'10'	LG-Semiconductors Co. Ltd	Address: 106 138 Bdg. Sinlim-Dong Gwanak-Ku Seoul Country: Korea 151-742 Telephone: +82 2 883 5009 Fax: +82 2 882 0470
'11' to '7E'	For future assignment	

NOTE — This data element may be present in the data object, tag '46' (pre-issuing data), on a proprietary basis.

Page 9, subclause 8.1

Change "Table 8" to "Table 10"

Page 9, Table 8

Change number of Table 8 to Table 10.

Add new line to the table, after 5D Headerlist:

5F4B	IC manufacturer identifier	To identify manufacturers of integrated circuits	1 byte	-

Page 12, subclause 8.2

Change "Table 9" to "Table 11"

Page 12, Table 9

Change number of Table 9 to Table 11.

Add new line to the table, after 5F4A Public key of certification authority:

5F4B	IC manufacturer identifier

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