
**Cards and security devices for
personal identification — Contactless
vicinity objects —**

**Part 3:
Anticollision and transmission
protocol**

*Cartes et dispositifs de sécurité pour l'identification personnelle —
Objets sans contact de voisinage —*

Partie 3: Anticollision et protocole de transmission

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Contents

	Page
Foreword	vi
Introduction	vii
1 Scope	1
2 Normative references	1
3 Terms, definitions, symbols and abbreviated terms	1
3.1 Terms and definitions.....	1
3.2 Symbols and abbreviated terms.....	2
4 Definition of data elements	3
4.1 UID.....	3
4.2 AFI.....	3
4.3 DSFID.....	5
4.4 CRC.....	5
4.5 Security framework.....	6
5 VICC memory organization	6
6 Block security status	6
7 Overall protocol description	7
7.1 Protocol concept.....	7
7.2 Modes.....	8
7.2.1 General.....	8
7.2.2 Addressed mode.....	8
7.2.3 Non-addressed mode.....	8
7.2.4 Select mode.....	8
7.3 Request format.....	9
7.3.1 General.....	9
7.3.2 Request flags.....	9
7.4 Response format.....	10
7.4.1 General.....	10
7.4.2 Response flags.....	11
7.4.3 Response error code.....	11
7.4.4 In-process reply response formats.....	12
7.4.5 Waiting time extension request formats.....	13
7.5 VICC states.....	13
7.5.1 General.....	13
7.5.2 Power-off state.....	14
7.5.3 Ready state.....	14
7.5.4 Quiet state.....	14
7.5.5 Selected state.....	14
7.5.6 Selected Secure state.....	15
8 Anticollision	16
8.1 General.....	16
8.2 Request parameters.....	16
8.3 Request processing by the VICC.....	16
8.4 Explanation of an anticollision sequence.....	18
9 Timing specifications	20
9.1 General.....	20
9.2 VICC waiting time before transmitting its response after reception of an EOF from the VCD.....	20
9.3 VICC modulation ignore time after reception of an EOF from the VCD.....	20
9.4 VCD waiting time before sending a subsequent request.....	20
9.5 VCD waiting time before switching to the next slot during an inventory process.....	21
9.5.1 General.....	21

9.5.2	When the VCD has started to receive one or more VICC responses	21
9.5.3	When the VCD has received no VICC response	21
9.6	Clarification of use of Option_flag in Write alike commands	22
9.7	Security timeout as used in the CS	22
9.8	VICC replies as used in CS or extended functionalities	22
9.8.1	General	22
9.8.2	Immediate VICC reply	22
9.8.3	In-process reply	23
9.9	Waiting time extension reply	25
10	Commands	26
10.1	Command types	26
10.1.1	General	26
10.1.2	Mandatory	26
10.1.3	Optional	26
10.1.4	Custom	26
10.1.5	Proprietary	26
10.2	Command codes	27
10.3	Mandatory commands	28
10.3.1	Inventory	28
10.3.2	Stay quiet	29
10.4	Optional commands	29
10.4.1	Read single block	29
10.4.2	Write single block	30
10.4.3	Lock block	31
10.4.4	Read multiple blocks	31
10.4.5	Write multiple blocks	32
10.4.6	Select	33
10.4.7	Reset to ready	34
10.4.8	Write AFI	34
10.4.9	Lock AFI	35
10.4.10	Write DSFID command	36
10.4.11	Lock DSFID	36
10.4.12	Get system information	37
10.4.13	Get multiple block security status	38
10.4.14	Fast read multiple blocks	39
10.4.15	Extended read single block	41
10.4.16	Extended write single block	42
10.4.17	Extended lock block	43
10.4.18	Extended read multiple block	43
10.4.19	Extended write multiple blocks	44
10.4.20	Extended get multiple block security status	45
10.4.21	Fast extended read multiple blocks	46
10.4.22	Authenticate	48
10.4.23	KeyUpdate	49
10.4.24	Challenge	50
10.4.25	ReadBuffer	51
10.4.26	Extended get system information	51
10.5	Custom commands	55
10.6	Proprietary commands	56
11	Secured Communication	56
11.1	General	56
11.2	AuthComm	56
11.3	SecureComm	57
Annex A (informative) Compatibility with other card standards		59
Annex B (informative) VCD pseudo-code for anticollision		60
Annex C (informative) Cyclic redundancy check (CRC)		61

Annex D (informative) Examples of crypto command sequence	64
Annex E (normative) List of legacy commands	67
Bibliography	68

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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.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of document should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO and IEC shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents) or the IEC list of patent declarations received (see <http://patents.iec.ch>).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see www.iso.org/iso/foreword.html.

This document was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 17, *Cards and security devices for personal identification*.

This third edition cancels and replaces the second edition (ISO/IEC 15693-3:2009) which has been technically revised. It also incorporates the Amendments ISO/IEC 15693-3:2009/Amd 2:2015, ISO/IEC 15693-3:2009/Amd 3:2015 and ISO/IEC 15693-3:2009/Amd 4:2017.

The main changes compared to the previous edition are as follows:

- RFU bits;
- fast response data rates.

A list of all parts in the ISO 15693 series can be found on the ISO website.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

Introduction

ISO/IEC 15693 (all parts) is one of a series of International Standards describing the parameters for identification cards as defined in ISO/IEC 7810 and the use of such cards for international interchange.

This document describes the anticollision and transmission protocols.

This document does not preclude the incorporation of other standard technologies on the card.

Contactless card standards cover a variety of types as embodied in the ISO/IEC 10536 series (close-coupled cards), the ISO/IEC 14443 series (proximity cards) and the ISO/IEC 15693 series (vicinity cards). These are intended for operation when very near, nearby and at a longer distance from associated coupling devices, respectively.

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