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

Part 2: Air interface and initialization

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

Partie 2: Interface et initialisation dans l'air



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Contents

	Page
Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Symbols and abbreviated terms	2
4.1 Abbreviated terms.....	2
4.2 Symbols.....	2
5 Initial dialogue for vicinity cards	2
6 Power transfer	3
6.1 General.....	3
6.2 Frequency.....	3
6.3 Operating field.....	3
7 Communications signal interface VCD to VICC	3
7.1 General.....	3
7.2 Modulation.....	3
7.3 Data rate and data coding.....	5
7.3.1 General.....	5
7.3.2 Data coding mode: 1 out of 256.....	6
7.3.3 Data coding mode: 1 out of 4.....	7
7.4 VCD to VICC frames.....	8
7.4.1 General.....	8
7.4.2 SOF to select 1 out of 256 code.....	8
7.4.3 SOF to select 1 out of 4 code.....	8
7.4.4 EOF for either data coding mode.....	9
8 Communications signal interface VICC to VCD	9
8.1 General.....	9
8.2 Load modulation.....	9
8.3 Subcarrier.....	9
8.4 Data rates.....	9
8.4.1 General.....	9
8.4.2 Low and high data rates.....	10
8.4.3 Fast response data rates.....	10
8.5 Bit representation and coding.....	10
8.5.1 General.....	10
8.5.2 Bit coding when using one subcarrier.....	10
8.5.3 Bit coding when using two subcarriers.....	11
8.6 VICC to VCD frames.....	12
8.6.1 General.....	12
8.6.2 SOF when using one subcarrier.....	12
8.6.3 SOF when using two subcarriers.....	13
8.6.4 EOF when using one subcarrier.....	13
8.6.5 EOF when using two subcarriers.....	13
Annex A (informative) Standards compatibility	15
Annex B (normative) Bit coding and frames for a fast response data	16
Bibliography	21

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.

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This document was prepared by Joint Technical Committee ISO/IEC JTC1, *Information technology*, Subcommittee SC 17, *Cards and security devices for personal identification*.

This third edition cancels and replaces the second edition (ISO/IEC 15693-2:2006), which has been technically revised.

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

- fast response data rates in [8.4.3](#) and [Annex B](#) have been added.

A list of all parts in the ISO/IEC 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.

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Introduction

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

This document defines the electrical characteristics of the contactless interface between a vicinity card and a vicinity coupling device. The interface includes power and bi-directional communications.

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