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American National Standard

INCITS/ISO/IEC 14443-3:2011[2011]

(ISO/IEC 14443-3:2011, IDT)

Identification cards - Contactless integrated circuit cards - Proximity cards - Part 3: Initialization and anticollision

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Part 3: Initialization and anticollision

Cartes d'identification — Cartes à circuit(s) intégré(s) sans contact — Cartes de proximité

Partie 3: Initialisation et anticollision

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Contents

Page

Foreword v
Introduction vi
1 Scope 1
2 Normative references 1
3 Terms and definitions 2
4 Symbols, abbreviated terms and notation 2
5 Alternating between Type A and Type B commands 5
5.1 Polling 5
5.2 Influence of Type A commands on PICC Type B operation 5
5.3 Influence of Type B commands on PICC Type A operation 5
5.4 Transition to POWER-OFF state 5
6 Type A – Initialization and anticollision 5
6.1 Bit rates 5
6.2 Frame format and timing 6
6.2.1 Frame delay time 6
6.2.2 Request Guard Time 8
6.2.3 Frame formats 8
6.2.4 CRC_A 10
6.3 PICC states 11
6.3.1 POWER-OFF state 12
6.3.2 IDLE state 13
6.3.3 READY state 13
6.3.4 ACTIVE state 13
6.3.5 HALT state 13
6.3.6 READY* state 13
6.3.7 ACTIVE* state 14
6.3.8 PROTOCOL state 14
6.4 Command set 14
6.4.1 REQA and WUPA commands 14
6.4.2 ANTICOLLISION and SELECT commands 15
6.4.3 HLTA command 15
6.5 Select sequence 15
6.5.1 Select sequence flowchart 16
6.5.2 ATQA - Answer To Request 16
6.5.3 Anticollision and Select 18
6.5.4 UID contents and cascade levels 21
7 Type B – Initialization and anticollision 23
7.1 Character, frame format and timing 23
7.1.1 Character transmission format 23
7.1.2 Character separation 24
7.1.3 Frame format 24
7.1.4 SOF 25
7.1.5 EOF 26
7.1.6 Timing before the PICC SOF 27
7.1.7 Timing before the PCD SOF 27
7.2 CRC_B 28
7.3 Anticollision sequence 28
7.4 PICC states description 29

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7.4.1 Initialization and anticollision flowchart 31
7.4.2 General statement for state description and transitions 31
7.4.3 POWER-OFF state 32
7.4.4 IDLE state 32
7.4.5 READY-REQUESTED sub-state 32
7.4.6 READY-DECLARED sub-state 33
7.4.7 PROTOCOL state 33
7.4.8 HALT state 33
7.5 Command set 33
7.6 Anticollision response rules 34
7.6.1 PICC with initialization only 34
7.7 REQB/WUPB command 34
7.7.1 REQB/WUPB command format 34
7.7.2 Coding of Anticollision Prefix byte APf 34
7.7.3 Coding of AFI 35
7.7.4 Coding of PARAM 36
7.8 Slot-MARKER command 37
7.8.1 Slot-MARKER command format 37
7.8.2 Coding of anticollision prefix byte APn 37
7.9 ATQB Response 37
7.9.1 ATQB response format 37
7.9.2 PUPI (Pseudo-Unique PICC Identifier) 38
7.9.3 Application Data 38
7.9.4 Protocol Info 39
7.10 ATTRIB command 42
7.10.1 ATTRIB command format 42
7.10.2 Identifier 43
7.10.3 Coding of Param 1 43
7.10.4 Coding of Param 2 44
7.10.5 Coding of Param 3 45
7.10.6 Coding of Param 4 45
7.10.7 Higher layer INF 46
7.11 Answer to ATTRIB command 46
7.12 HLTB command and Answer 47

Annex A (informative) **Communication example Type A** 48

Annex B (informative) **CRC_A and CRC_B encoding** 50

Annex C (informative) **Type A timeslot – Initialization and anticollision** 54

Annex D (informative) **Example of Type B Anticollision Sequence** 58

Bibliography 60

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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. In the field of information technology, ISO and IEC have established a joint technical committee, ISO/IEC JTC 1.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of the joint technical committee is to prepare International Standards. 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.

ISO/IEC 14443-3 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 17, *Cards and personal identification*.

This second edition cancels and replaces the first edition (ISO/IEC 14443-3:2001), which has been technically revised.

It also incorporates the Amendments ISO/IEC 14443-3:2001/Amd.1:2005 and ISO/IEC 14443-3:2001/Amd.3:2006, and the Technical Corrigendum ISO/IEC 14443-3:2001/Amd.1:2005/Cor.1:2006.

ISO/IEC 14443 consists of the following parts, under the general title *Identification cards — Contactless integrated circuit cards — Proximity cards*:

— *Part 1: Physical characteristics*

— *Part 2: Radio frequency power and signal interface*

— *Part 3: Initialization and anticollision*

— *Part 4: Transmission protocol*

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Introduction

ISO/IEC 14443 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 part of ISO/IEC 14443 describes polling for proximity cards entering the field of a proximity coupling device, the byte format and framing, the initial Request and Answer to Request command content, methods to detect and communicate with one proximity card among several proximity cards (anticollision) and other parameters required to initialize communications between a proximity card and a proximity coupling device. Protocols and commands used by higher layers and by applications and which are used after the initial phase are described in ISO/IEC 14443-4.

ISO/IEC 14443 is intended to allow operation of proximity cards in the presence of other contactless cards conforming to ISO/IEC 10536 and ISO/IEC 15693.

The International Organization for Standardization (ISO) and International Electrotechnical Commission (IEC) draw attention to the fact that it is claimed that compliance with this document may involve the use of patents.

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