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Information technology — Test methods for machine readable travel documents (MRTD) and associated devices —

Part 2: Test methods for the contactless interface

Technologies de l'information — Méthodes d'essai pour les documents de voyage lisibles par machine (MRTD) et dispositifs associés —

Partie 2: Méthodes d'essai de l'interface sans contact

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Contents

Page

Foreword ..... **v**
Introduction ..... **vi**
1 Scope **1**
2 Normative references **1**
3 Terms and definition **1**
4 Symbols and abbreviated terms **2**
5 Test methods for eMRTD **2**
5.1 General test conditions 2
5.1.1 Test setup 3
5.1.2 Values unless otherwise specified 3
5.1.3 Test report 4
5.1.4 Applicant declaration 5
5.2 Test of ISO/IEC 14443-1 parameters 6
5.2.1 “Class 1” verification test (optional) 6
5.2.2 Static electricity test 6
5.2.3 Alternating magnetic field test 7
5.3 Test of ISO/IEC 14443-2 parameters 7
5.3.1 eMRTD transmission 7
5.3.2 Operating field strength 8
5.3.3 eMRTD reception 9
5.3.4 eMRTD resonance frequency (optional) 9
5.3.5 eMRTD maximum loading effect 10
5.4 Test of ISO/IEC 14443-3 and ISO/IEC 14443-4 parameters 10
5.5 List of the test command sequences 10
5.5.1 Test commands for eMRTD without access control (plain) 10
5.5.2 Test commands for eMRTD supporting BAC 12
5.5.3 Test commands for eMRTD supporting PACE 15
5.6 Functionality check test 17
5.6.1 General 17
5.6.2 Optional procedure 1: Application functionality check test 17
5.6.3 Optional procedure 2: Electrical functionality check test 18
6 Test methods for eMRTD reader **19**
6.1 General test requirements 19
6.1.1 Test setup 19
6.1.2 Values unless otherwise specified 19
6.1.3 Test report 20
6.1.4 Applicant declaration 20
6.1.5 Definition of measurement points 21
6.2 Test of ISO/IEC 14443-1 parameters 21
6.2.1 Purpose 21
6.2.2 Test procedure 22
6.2.3 Test report 22
6.3 Test of ISO/IEC 14443-2 parameters 22
6.3.1 eMRTD reader field strength 22
6.3.2 Modulation index and waveform 22
6.3.3 Load modulation reception 23
6.4 Test of ISO/IEC 14443-3 and ISO/IEC 14443-4 parameters 24
6.5 List of test command sequences 24
6.5.1 Test commands sequence for scenarios without eMRTD reader chaining 24
6.5.2 Test commands sequence for scenarios dealing with eMRTD reader chaining 25
6.6 Measurement positions 25
7 Additional eMRTD test methods **27**

7.1 Test conditions 27
7.2 Test of ISO/IEC 14443-2 parameters for eMRTD 28
7.2.1 Operating field strength for bit rates higher than ***fc***/16 28
7.2.2 eMRTD reception for bit rates higher than ***fc***/16 29
7.2.3 eMRTD EMD level and low EMD time test (optional) 30
7.3 Test of ISO/IEC 14443-2 parameters for eMRTD reader 31
7.3.1 eMRTD reader field strength for additional classes 31
7.3.2 Modulation index and waveform for bit rates higher than ***fc***/16 or additional classes 31
7.3.3 Load modulation reception for bit rates higher than ***fc***/16 or additional classes 31
7.3.4 eMRTD reader EMD immunity test (optional) 32
7.3.5 eMRTD reader EMD recovery test (optional) 32
7.4 Additional tests of ISO/IEC 14443-3 and ISO/IEC 14443-4 parameters for PICC 33
7.5 Additional tests of ISO/IEC 14443-3 and ISO/IEC 14443-4 parameters for PCD 33

8 Specific access control test sequences 33
8.1 General 33
8.2 List of the test command sequences with EAC for eMRTD 33
8.2.1 Test commands for eMRTD supporting EAC 33
8.2.2 Test commands for eMRTD supporting PACE and EAC 34

Bibliography 37

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.

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).

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For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT) see the following URL: Foreword - Supplementary information

The committee responsible for this document is ISO/IEC JTC 1, *Information technology*, SC 17, *Cards and personal identification*.

ISO/IEC 18745 consists of the following parts, under the general title, *Test methods for machine readable travel documents (MRTD) and associated devices*:

— *Part 1: Physical test methods for passport books (durability)*

— *Part 2: Test methods for the contactless interface*

Introduction

This part of ISO/IEC 18745 defines the test plan regarding contactless interface for eMRTDs and eMRTD associated readers compliant to ICAO Doc 9303.

Information technology — Test methods for machine readable travel documents (MRTD) and associated devices —

Part 2:
Test methods for the contactless interface

1 Scope

This part of ISO/IEC 18745 defines the test plan, based on ISO/IEC 10373-6, for the contactless interface of eMRTDs and eMRTD associated readers compliant with ICAO Doc 9303.

Application requirements for eMRTD and eMRTD reader are outside of the scope of this part of ISO/IEC 18745.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO/IEC 7810:2003/Amd 1:2009, *Identification cards — Physical characteristics*

ISO/IEC 10373-6:2016, *Identification cards — Test methods — Part 6: Proximity cards*[1)]

ISO/IEC 14443-1:2016, *Identification cards — Contactless integrated circuit cards — Proximity cards — Part 1: Physical characteristics*[1)]

ISO/IEC 14443-2:2016, *Identification cards — Contactless integrated circuit cards — Proximity cards — Part 2: Radio frequency power and signal interface*[1)]

ISO/IEC 14443-3, *Identification cards — Contactless integrated circuit cards — Proximity cards — Part 3: Initialization and anticollision*[1)]

ISO/IEC 14443-4:2016, *Identification cards — Contactless integrated circuit cards — Proximity cards — Part 4: Transmission protocol*[1)]

ICAO Doc 9303, *Machine Readable Travel Documents — Seventh Edition, 2015*

1) If ISO/IEC 10373 or ISO/IEC 14443 series are referred, read with replacing PICC with eMRTD and PCD with eMRTD associated reader.