



DRAFT AMENDMENT ISO/IEC 14443-3:2011/DAM 6

ISO/IEC JTC 1

Secretariat: **ANSI**

Voting begins on
2012-06-20

Voting terminates on
2012-11-20

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION
INTERNATIONAL ELECTROTECHNICAL COMMISSION • МЕЖДУНАРОДНАЯ ЭЛЕКТРОТЕХНИЧЕСКАЯ КОММИСИЯ • COMMISSION ÉLECTROTECHNIQUE INTERNATIONALE

Identification cards — Contactless integrated circuit cards — Proximity cards —

Part 3: Initialization and anticollision

AMENDMENT 6: Bit rates of 3fc/4, fc, 3fc/2 and 2fc

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

Partie 3: Initialisation et anticollision

AMENDEMENT 6: Débits binaires de 3fc/4 et fc

ICS 35.240.15

To expedite distribution, this document is circulated as received from the committee secretariat. ISO Central Secretariat work of editing and text composition will be undertaken at publication stage.

Pour accélérer la distribution, le présent document est distribué tel qu'il est parvenu du secrétariat du comité. Le travail de rédaction et de composition de texte sera effectué au Secrétariat central de l'ISO au stade de publication.

THIS DOCUMENT IS A DRAFT CIRCULATED FOR COMMENT AND APPROVAL. IT IS THEREFORE SUBJECT TO CHANGE AND MAY NOT BE REFERRED TO AS AN INTERNATIONAL STANDARD UNTIL PUBLISHED AS SUCH.

IN ADDITION TO THEIR EVALUATION AS BEING ACCEPTABLE FOR INDUSTRIAL, TECHNOLOGICAL, COMMERCIAL AND USER PURPOSES, DRAFT INTERNATIONAL STANDARDS MAY ON OCCASION HAVE TO BE CONSIDERED IN THE LIGHT OF THEIR POTENTIAL TO BECOME STANDARDS TO WHICH REFERENCE MAY BE MADE IN NATIONAL REGULATIONS.

RECIPIENTS OF THIS DRAFT ARE INVITED TO SUBMIT, WITH THEIR COMMENTS, NOTIFICATION OF ANY RELEVANT PATENT RIGHTS OF WHICH THEY ARE AWARE AND TO PROVIDE SUPPORTING DOCUMENTATION.

iTeh STANDARD PREVIEW
(standards.iteh.ai)
Full standard:
<https://standards.iteh.ai/catalog/standards/sist/c5042708-26fd-461e-b41b-17ca85028abe/iso-iec-14443-3-2011-amd-6-2014>

Copyright notice

This ISO document is a Draft International Standard and is copyright-protected by ISO. Except as permitted under the applicable laws of the user's country, neither this ISO draft nor any extract from it may be reproduced, stored in a retrieval system or transmitted in any form or by any means, electronic, photocopying, recording or otherwise, without prior written permission being secured.

Requests for permission to reproduce should be addressed to either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
Case postale 56 • CH-1211 Geneva 20
Tel. + 41 22 749 01 11
Fax + 41 22 749 09 47
E-mail copyright@iso.org
Web www.iso.org

Reproduction may be subject to royalty payments or a licensing agreement.
Violators may be prosecuted.

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.

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.

Amendment 6 to ISO/IEC 14443-3:2011 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 17, *Cards and personal identification*.

ITeH STANDARD PREVIEW
(standards.iteh.ai)
Full standard:
<https://standards.iteh.ai/catalog/standards/iso-iec-14443-3-2011-amd-6-2014>
26fd-461e-b41b-17ca85028abe/iso-iec-14443-3-2011-amd-6-2014

iTeh STANDARD PREVIEW
(standards.iteh.ai)

Full standard:
<https://standards.iteh.ai/catalog/standards/sist/c5042708-26fd-461e-b41b-17ca85028abe/iso-iec-14443-3-2011-amd-6-2014>

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

Amendment 6: Bit rates of $3fc/4$, fc , $3fc/2$ and $2fc$

Page 5, 6.1

Add the following after Table 1.

"For bit rates of $3fc/4$, fc , $3fc/2$ and $2fc$ see Annex E.1."

Page 7, 6.2.1.1

Add the following after Table 2.

"For bit rates of $3fc/4$, fc , $3fc/2$ and $2fc$ see Annex E.2."

Page 24, 7.1.1

Add the following below Figure 13:

"For bit rates of $3fc/4$, fc , $3fc/2$ and $2fc$ see Annex E.3."

Page 25, 7.1.3

Add the following paragraph below Figure 14:

"For bit rates of $3fc/4$, fc , $3fc/2$ and $2fc$ see Annex E.4."

After Annex D

Add the following annex E:

"

Annex E (normative)

Amended requirements for bit rates of $3fc/4$, fc , $3fc/2$ and $2fc$ for PCD to PICC communication

E.1 etu

The value of the etu is defined in Table 1.

Table A.1 — etu

Bit rates	etu
$3fc/4$ (~ 10,17 Mbit/s)	$4/fc$ (~ 0,3 μ s)
fc (~ 13,56 Mbit/s)	$4/fc$ (~ 0,3 μ s)
$3fc/2$ (~ 20,34 Mbit/s)	$2/fc$ (~ 0,15 μ s)
$2fc$ (~ 27,12 Mbit/s)	$2/fc$ (~ 0,15 μ s)

E.2 Frame Delay Time PCD to PICC

The frame delay time PCD to PICC shall be at least $1116/fc$.

E.3 Character transmission format for Type B

The start and stop bits shall be omitted.

E.4 Frame format for Type B

The frame shall be delimited by SOC and EOC, as defined in ISO/IEC 14443-2:2010/Amd.5.

"