

Template for comments and secretariat observations

1	2	(3)	4	5	(6)	(7)
MB ¹	Clause No./ Subclause No./ Annex (e.g. 3.1)	Paragraph/ Figure/Table/ Note (e.g. Table 1)	Type of comment ²	Comment (justification for change) by the MB	Proposed change by the MB	Secretariat observations on each comment submitted
US 1	1	1	ge	This standard is written for Identification cards. Other contactless devices that are form free could be described in an annex.	This part of ISO/IEC 14443 specifies the physical characteristics of proximity cards (PICC). It applies to identification cards of the card type ID-1 operating in proximity of a coupling device. Other devices not in the ID-1 format will be specified in an annex --.	
US 2	2	1	ge	Add the ANSI BSR INCITS 410 standard to the Normative references	BSR INCITS 410 - Identification Cards – Limited Use (LU), Proximity Integrated Circuit Card (PICC)	
US 3	3.2	1	te	Replace “without any conductive path between”	With “the absence of an ohmic path from”	
US 4	3.4	1	ed	To be more clear as to the operation of the card	operates in the manner described by the manufacturer's specifications	
US 5	3.5	2	ed	Remove the note in this section	Add all reference to the form factor free devices in the annex--	
US 6	3.7	2	ge	Replace “having a shape or physical format that does not conform to any international standard card format”	With “ Having any shape beyond a card with which communication is done by inductive coupling in proximity of a coupling device”	
US 7			ed	Add additional term and definitions:	Limited Use-Proximity Coupling Device (LU-PCD) A reader/writer device using inductive coupling to provide power to the PICC, as well as the control of data exchange with the LU-PICC.	
US 8			ed	Add additional term and definitions:	Limited Use-Proximity Integrated Circuit Card (LU-PICC Card) A type of proximity integrated circuit card that conforms to the requirements of low-cost applications by limiting; functionality, construction complexity, lifecycle and security while maintaining core interoperability with other standardized PICCs. LU-PICCs contain only the necessary user data memory required to support a single application or a small set of applications.	
US 9	4.1	2	ge	All form factor free information should be in annex-- A form factor free PICC may bear a clearly visible tactile indicator that shows the location on the object to be oriented towards the PCD for operation.	This statement should be in the annex-- A form factor free PICC may bear a clearly visible tactile indicator that shows the location on the object to be oriented towards the PCD for operation.	
US 10			te	The important physical characteristics for card durability have been removed from this draft and they should be put back in.	Add back in the 4.2 - The nominal dimensions of the PICC shall be as for the card type ID-1 specified in ISO/IEC 7810.	
US 11			te	The physical characteristics for card durability have been removed from this draft and they should be put back in.	Add back in the 4.3.1 text -- Ultra-violet light	

1 MB = Member body Type of comment: ge = general, te = technical, ed = editorial NOTE Columns 1, 2, 4, 5 are compulsory.

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Date: 2/3/2006

Document: **SC17N2892 CD Ballot 14443-1 rev**

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US 12			te	The important physical characteristics for card durability have been removed from this draft and they should be put back in.	Add back in the 4.3.2 text X-rays	
US 13			te	The important physical characteristics for card durability have been removed from this draft and they should be put back in.	Add back in the 4.3.3 text Dynamic bending stress	
US 14			te	The important physical characteristics for card durability have been removed from this draft and they should be put back in.	Add back in the 4.3.4 text Dynamic torsional stress	
US 15			te	The important physical characteristics for card durability have been removed from this draft and they should be put back in.	Add back in the 4.3.5 text and table Alternating magnetic fields	
US 16			te	The important physical characteristics for card durability have been removed from this draft and they should be put back in.	Add back in the 4.3.6 text and table Alternating electric field	
US 17			te	The important physical characteristics for card durability have been removed from this draft and they should be put back in.	Add back in the 4.3.7 text Static electricity	
US 18			te	The important physical characteristics for card durability have been removed from this draft and they should be put back in.	Add back in the 4.3.8 text Static magnetic field	
US 19			te	The important physical characteristics for card durability have been removed from this draft and they should be put back in.	Add back in the 4.3.9 text Operating temperature	
US 20	4.3	2	te	Add the information if necessary	Integrate 4.3 of the CD with the 4.3.5 of ISO/IEC14443-1	
US 21	A1	3	ge	What about other antenna's Why has only one been defined?	Define antenna areas for all of the shapes in ISO/IEC7810	
US 22	Annex --		te	Define an annex that will state what is meant by form factor free. How do you test a form factor free device?	Form factor free device should be so free that the industry should leave the design and specification of these device to the manufacturer and not worry or work on standard for something that is to be so free.	

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US 23	New		te	Add clause on Irradiation	<p>The PICC shall continue to operate as intended after testing in accordance with the applicable test methods described in ISO/IEC 10373-6, when first exposed to an irradiation beam with one of the dosage exposures selected from Table below.</p> <table border="1"> <thead> <tr> <th>Exposure class</th> <th>Irradiated Dosage</th> <th>Exposure(s)</th> <th>PICC Packaging Visual Impact</th> </tr> </thead> <tbody> <tr> <td>Class 1</td> <td>56kGy</td> <td>1.0</td> <td>No visual packaging distortion or printing discoloration shall occur</td> </tr> <tr> <td>Class 2</td> <td>56kGy</td> <td>2.0</td> <td>No visual packaging distortion or printing discoloration shall occur</td> </tr> </tbody> </table>	Exposure class	Irradiated Dosage	Exposure(s)	PICC Packaging Visual Impact	Class 1	56kGy	1.0	No visual packaging distortion or printing discoloration shall occur	Class 2	56kGy	2.0	No visual packaging distortion or printing discoloration shall occur	
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US 24	4.2			In consideration of the new term “Form Factor Free” that was introduced as the principle purpose for the proposed modifications to the existing ISO 14443-1 specification; the author confuses the reader/specification by inserting a specific ID-1 Card type antenna specification.	The form factor free article should be introduced as an Informative ANNEX to the core specification which should remain a “Card” specification, preserving most of the technical specifications.													
US 25	Annex--			Annex must define test guidelines for form factor free, otherwise introducing form factor free will create interoperability issues	Form factor free shall be in compliance with ISO10373													
US 26			te	Minimum coupling zone of antenna is undefined for ID-1 form factor. This requirement currently resides in part 2 of the standard.	Move section 10 of ISO/IEC 14443-2:2001 into ISO/IEC 14443-1. (Including Figure 6.)													

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