

ISO/IEC JTC 1/SC 17
Cards and personal identification
Secretariat: BSI (United Kingdom)

Document type: National Body Contribution

Title: Revised Japanese NB vote and comments on ISO/IEC 14443-2:2010 PDAM 5.2

Status: The Japanese vote and comments contained in 17n4602 are incorrect and have changed as follows:
In ISO/IEC JTC1/SC17 N 4602, you can find JP vote as follows;
Q.1: Disapproval of the draft
Q.2: Ignore
Q.3: No

We would like to change JP vote as follows;
Q.1: Disapproval of the draft
Q.2: Ignore
Q.3: Yes
The correct comments are attached.

Date of document: 2012-08-08

Source: Japanese NB

Expected action: INFO

No. of pages: 8

Email of secretary: chris.starr@ukpayments.org.uk

Committee URL: <http://isotc.iso.org/livelink/livelink/open/jtc1sc17>

Template for comments and secretariat observations

Date: 2012-06-20

Document: **SC17 N4509**

PDAM ISO/IEC 14443-2/Amd.5.2(VHBR-PSK)

1	2	(3)	4	5	(6)	(7)
MB¹	Clause No./ Subclause No./ Annex (e.g. 3.1)	Paragraph/ Figure/Table/Note (e.g. Table 1)	Type of comment²	Comment (justification for change) by the MB	Proposed change by the MB	Secretariat observations on each comment submitted
JP1	Whole documents		te	<p>ISO/IEC 14443-2/Amd.5 is related closely with other parts on “VHBR higher than $fc/2$”;</p> <ul style="list-style-type: none"> - ISO/IEC 14443-3/Amd.6 - ISO/IEC 14443-4/Amd.3 - ISO/IEC 10373-6/Amd.5. <p>However, there are many technical issues in VHBR higher than $fc/2$, especially in ISO/IEC14443-2/Amd.5.</p> <p>If the ballot on one part of VHBR higher than $fc/2$ does not keep pace with other parts of VHBR higher than $fc/2$, there might be a technical mismatch among the parts of VHBR higher than $fc/2$.</p>	Synchronize discussion with other parts of ISO/IEC 14443 (including test methods).	

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JP2	Whole documents		te	<p>Feasibility study regarding VHBR-PSK is insufficient.</p> <p>JNB (Japanese National Body) recognizes that the demonstration with bit rates $3fc/4$ and fc has been performed at the previous SC17/WG8 Meetings or on the video. But newly proposed bit rates (20Mbps and 27Mbps) should be demonstrated to confirm their feasibility. (See Resolution 51.11 at SC17/WG8 Graz Meeting)</p> <p>Resolutions and Notes (unanimously agreed, unless otherwise noted):</p> <p>51.11 Amendments 14443-3:2011/DAM6 and 14443-4:2008/DAM3 (VHBR PSK)</p> <p>WG8 requests PSK technology providers to provide to the WG8 Secretariat with a video demonstrating the feasibility of VHBR-PSK for bit rates higher than 10 Mbit/s, specified in the draft amendments 14443-2:2010/Amd.5, 14443-3:2011/Amd.6 and 14443-4:2008/Amd.3 by no later than end of May 2012, which will be made available to the WG8 members. Further, PSK technology providers are requested to provide a live demonstration of VHBR-PSK at the next WG8 meeting in New Orleans.</p> <p>WG8 Secretariat is instructed to forward the texts of DIS 14443-3:2011/DAM6 (N 1893) and 14443-4:2008/DAM3 (N 1895), together with their Disposition of comments documents on their CD ballot results, i.e. N 1894 and N 1896, to the SC17 Secretariat for DIS balloting on the 1st of June 2012.</p>	<p>Remove the bit rates $3fc/2$ and $2fc$.</p> <p>or</p> <p>Demonstrate VHBR with the bit rates $3fc/2$ and $2fc$ with the prototype.</p>	

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JP3	Whole documents		te	Before the test method for VHBR is fixed, it is difficult to determine parameters for VHBR. The test method for VHBR should be developed concurrent with ISO/IEC 14443-2/Amd.5 to confirm its reproducibility and feasibility.	Prior to the next ballot stage, fix the test method for VHBR.	
JP4	Whole documents		ed	Merging PSK method into the conventional (sub)clauses is contrary to the decision at SC17/WG8 Graz Meeting (2012-04-18/20).	Specify PSK method in new "Annex X" instead of inserting it the conventional (sub)clauses.	
JP5	Title		ed	Typing error regarding the title in p.1.	Replace "Amendment 5: Bits rates of ..." by "Amendment 5: Bit rates of ...".	
JP6	4 and 11.1		ed	For consistency regarding "maximum NPV" and "minimum NPV".	Use either PH or P _H throughout in this document and use either PL or P _L throughout in this document.	
JP7	4		ed	For consistency.	Replace "Phase shift keying" by "Phase Shift Keying".	
JP8	8.1.1		ed	For font style consistency.	(1) Replace " <i>3fc/2</i> (~20,34Mbit/s)," by " <i>3fc/2</i> (~20,34Mbit/s),". (2) Spell the description for the bitrates of <i>3fc/2</i> and <i>2fc</i> in Arial font.	
JP 9	9.1.2.1	Title	ed	There is a redundant colon (:).	Remove the redundant colon (:).	
JP 10	9.1.2.2	Title	ed	(1) There is a redundant colon (:). (2) For font style consistency.	For (1), remove the redundant colon (:). For (2), replace " 9.1.2.2: Modulation for bit rates of <i>3fc/4</i>, <i>fc</i>, <i>3fc/2</i> and <i>2fc</i> " by " 9.1.2.2: Modulation for bit rates of <i>3fc/4</i>, <i>fc</i>, <i>3fc/2</i> and <i>2fc</i> ".	

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JP 11	9.1.3.2	Title	ed	(1) There is a redundant colon (:). (2) For font style consistency.	For (1), remove the redundant colon (:). For (2), replace “ 9.1.3.2 : Bit representing and coding for bit rate of 3fc/4, fc, 3fc/2 and 2fc ” by “ 9.1.3.2 : Bit representing and coding for bit rate of 3fc/4, fc, 3fc/2 and 2fc ”.	
JP 12	11	1st paragraph	ed	The description right after the new clause 11 is a “hanging paragraph”, which is contrary to ISO/IEC Directives, Part 2 (Sixth edition, 2011), 5.2.4 (see JP-Annex 1)	Create a new subclause for the description “For bit rates of 3fc/4, fc, 3fc/2 and 2fc, communication from PCD to PICC shall use the modulation principle of PSK of the RF carrier of the operating field.”	
JP 13	11.1, 11.1.1 and 11.2.1		ed	For consistency regarding “a NPV / an NPV”. How should we pronounce “NPV”?	Use either “an NPV” or “a NPV” throughout in this document.	
JP 14	11.1	Table 10	ed	(1) Typing error. (2) For consistency. (3) For font style consistency.	For (1), replace “Bite rate” by “Bit rate”. For (2), replace “Mb/s” by “Mbit/s”. For (3), replace “(~ 13,56 Mb/s)” and “(~27,12 Mb/s)” by “(~ 13,56 Mbit/s)” and “(~27,12 Mbit/s)”, respectively.	
JP 15	11.1	Table 11	ed	(1) Typing error. (2) For consistency. (3) For font style consistency.	For (1), replace “Bite rate” by “Bit rate”. For (2), replace “Mb/s” by “Mbit/s”. For (3), replace “(~ 13,56 Mb/s)” and “(~27,12 Mb/s)” by “(~ 13,56 Mbit/s)” and “(~27,12 Mbit/s)”, respectively.	
JP 16	11.1	Table 12	ed	Typing error.	Replace “Bite rate” by “Bit rate”.	
JP 17	11.1	Table 13	ed	(1) Typing error. (2) For font style consistency.	For (1), replace “Bite rate” by “Bit rate”. For (2), replace “2fc” by “2fc”.	

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JP 18	11.1.1	Table 14 and Table 15	te	The technical reason for changing range of ISl_m from that of the 1st CD version is unclear. At least, there was no explanation by the proposer at SC17/WG8 Song-do Meeting where the comments for the 1st CD ballot were disposed.	Explain the technical reason for changing range of ISl_m from that of the 1st CD version.	
JP 19	11.1.1	Table 16 and Table 19	ed	For compliance to ISO/IEC Directives, Part 2 (Sixth edition, 2011) 6.6.6.4 Headings The first word in the heading of each column or row shall begin with a capital letter. The units used in a given column shall generally be indicated under the column heading. (See also 6.6.10.1.2.)	Replace “start of ...” in the caption of Tables 16 and 19 by “Start of ...”	
JP 20	11.1.1	Figures 18 and 19	ed	Frames around Figures 18 and 19 and their constituent elements are contrary to ISO/IEC Directives, Part 2 (Sixth edition, 2011), 6.6.5.11.2 “Designation and layout”.	Remove the frames around Figures 18 and 19 and their constituent elements.	
JP 21	11.1.1	NOTEs after Figures 18 and 19	ed	(1) These two NOTEs should be numbered. (2) Period (.) is missing in the first NOTE..	For (1), assign NOTE1 and NOTE2 to both NOTEs. For (2), insert period (.) in the first NOTE.	
JP 22	11.1.1	Figure 20	ed	The caption and figure are inconsistent; Minimum limits for ISl_m is not mentioned in Figure 20.	Replace “Figure 20 — ISl_m limits for PCD and PICC” by “Figure 20 — ISl_m maximum limits for PCD and PICC”.	
JP 23	11.1.2	2nd paragraph	te	The technical meaning of “lower than 0,033” and “lower than 0,035” is unclear.	Explain the technical meaning of these values.	
JP 24	11.2.1	Table 16	ed	For consistency.	Replace “Table 16 — start of communication...” by “Table 16 — S tart of communication ...”.	

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JP 25	11.2.2	Table 19	ed	For consistency.	Replace "Table 19 — start of communication..." by "Table 19 — S start of communication ...".	
JP 26	11.2.2	Caption in Table 20	ed	For font style consistency.	Replace " 2fc " by " 2fc ".	
JP 27	Annex A	1st paragraph	ed	For font style consistency.	Replace "x(t) = ..." by "x(t) = ...".	
JP 28	Annex A	Last paragraph	ed	Redundant description.	Replace "Annex B figure B.1" by "Figure B.1".	
JP 29	Annex B	Figure B.1	ed	Unit for "complex envelope phase" is missing.	Add the unit [degree] in the axis of "complex envelope phase".	
JP 30	Annex B	Figure B.2	ed	(1) The figure is too small to recognize the legend and the name for each axis. (2) There is a redundant period (.) in the caption.	For (1), enlarge the figure. For (2), remove the period(.) at the end of the caption.	
JP 31	Annex C		ed	Title for Annex C is missing.	Add the title.	
JP 32	Annex C	Figure 21 Table 22	ed	For consistency; In Figure 21, the term "Data source" is used while the term "source data" is used in Step 1), Step 8), Table 22 and Table 23	Use either "data source" or "source data" throughout in this document.	
JP 33	Annex C	1st paragraph	ed	For font style consistency.	Replace "3fc/4, fc, 3fc/2 and 2fc" by "3fc/4, fc, 3fc/2 and 2fc".	
JP 34	Annex C	Tables 22 through 27 and Figure 21	te	(1) The bit order of source data is not clear; The description "Coding is defined by MSB first" in the 1st CD is missing. (2) The numbering of these Tables and Figure 21 is wrong. These Tables and Figure 21 should be positioned as Annex C.	For (1), describe LSB or MSB for the source data. For (2), replace Tables 22, 23, 24, 25, 26, 27 and Figure 21 by Tables C.1, C.2, C.3, C.4, C.5, C.6 and Figure C.1, respectively, and replace the corresponding description in the text.	

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JP 35	Annex C	Step 1)	ed	For consistency.	Insert space between “3” and “bits”.	
JP 36	Annex C	Step 3)	ed	(1) The subject for the description “is defined as $out(n) = (out(n-1) + in(n)) \bmod (\# \text{ of NPV})$ ” is missing. (2) There is a redundant bracket “)”. The subject for the description “is defined as $out(n) = (in(n) - in(n-1)) \bmod (\# \text{ of NPV})$ ” is missing.	For (1), insert the subject before “is”. For (2), remove the last bracket “)”. Insert the subject before “is”.	
JP 37	Annex C	Step 7)	ed	The numbering is not correct.	Correct the numbering.	
JP 38	Annex C	Step 8) to 9)	ed	“ ϕ_0 ” is not defined in this document. The comment FR40 attached to 1st CD ballot has not been completely resolved. Even though there is a description “initial subcarrier phase reference $\emptyset 0$ ” in ISO/IEC 14443-2:2010, 9.2.5, the reader of this amendment may be confused.	Define “ ϕ_0 ” in this document.	

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[JP-Annex 1] ISO/IEC Directives, Part 2 (Sixth edition, 2011), 5.2.4

5.2.4 Paragraph

A paragraph is an unnumbered subdivision of a clause or subclause.

“Hanging paragraphs” such as those shown in the following example shall be avoided since reference to them is ambiguous.

EXAMPLE In the following example, the hanging paragraphs indicated cannot be uniquely identified as being in “Clause 5” since strictly speaking the paragraphs in 5.1 and 5.2 are also in Clause 5. To avoid this problem it is necessary to identify the hanging paragraphs as subclause “5.1 General” (or other suitable title) and to renumber the existing 5.1 and 5.2 accordingly (as shown), to move the hanging paragraphs elsewhere, or to delete them.

Incorrect	Correct
<p>5 Designation</p> <p>The quick brown fox jumps over the lazy dog.</p> <p>The quick brown fox jumps over the lazy dog.</p> <p>The quick brown fox jumps over the lazy dog.</p> <p>5.1 XXXXXXXXXXXX</p> <p>The quick brown fox jumps over the lazy dog.</p> <p>5.2 XXXXXXXXXXXX</p> <p>The quick brown fox jumps over the lazy dog.</p> <p>The quick brown fox jumps over the lazy dog. The quick brown fox jumps over the lazy dog. The quick brown fox jumps over the lazy dog.</p> <p>6 Test report</p>	<p>5 Designation</p> <p>5.1 General</p> <p>The quick brown fox jumps over the lazy dog.</p> <p>The quick brown fox jumps over the lazy dog.</p> <p>The quick brown fox jumps over the lazy dog.</p> <p>5.2 XXXXXXXXXXXX</p> <p>The quick brown fox jumps over the lazy dog.</p> <p>5.3 XXXXXXXXXXXX</p> <p>The quick brown fox jumps over the lazy dog.</p> <p>The quick brown fox jumps over the lazy dog. The quick brown fox jumps over the lazy dog. The quick brown fox jumps over the lazy dog.</p> <p>6 Test report</p>