

Telecommunications and Information Exchange between Systems

ISO/IEC JTC 1/SC 6

Document Number:	6N16508
Date:	2016-11-25
Replaces:	
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Document Title:	Summary of Voting on 6N16476, Submission of IEEE Std 802.15.6™-2012 for fast-track adoption under the ISO/IEEE PSDO Agreement
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Result of voting

Ballot Information

Ballot reference	6N16476 Submission of IEEE Std 802.15.6™-2012
Ballot type	CIB
Ballot title	Submission of IEEE Std 802.15.6™-2012 for fast-track adoption under the ISO/IEEE PSDO Agreement
Opening date	2016-09-23
Closing date	2016-11-23
Note	<p>Extract from ISO and IEEE PSDO agreement - section 3.2 - FDIS fast-track adoption</p> <p>IEEE may propose that an existing IEEE standard, within the scope of the ISO technical committees covered in this agreement, be submitted as a final draft International Standard (FDIS).</p> <p>Such requests shall be submitted to the Secretary-General of ISO for acceptance. The Secretary General shall then submit a proposal to the relevant ISO committee for a 60-day ballot which shall decide, by simple majority vote, on: (a) the need for an ISO International Standard on the subject; and (b) submission of the proposal for FDIS ballot.</p>

Member responses:

Votes cast (19)	Austria (ASI) Belgium (NBN) Canada (SCC) China (SAC) Czech Republic (UNMZ) Finland (SFS) Germany (DIN) Greece (NQIS ELOT)
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	Japan (JISC) Kazakhstan (KAZMEMST) Korea, Republic of (KATS) Moldova, Republic of (INS) Netherlands (NEN) Russian Federation (GOST R) Spain (AENOR) Switzerland (SNV) Tunisia (INNORPI) United Kingdom (BSI) United States (ANSI)
Comments submitted (2)	Italy (UNI) Ukraine (DSTU)
Votes not cast (0)	

Questions:	
Q.1	"Do you support the need for an ISO International Standard on the subject? "
Q.2	"Do you support the submission of this proposal for FDIS ballot? "

Votes by members	Q.1	Q.2
Austria (ASI)	Abstention	Abstention
Belgium (NBN)	Abstention	Abstention
Canada (SCC)	Yes	Yes
China (SAC)	Yes	Yes
Czech Republic (UNMZ)	Abstention	Abstention
Finland (SFS)	Abstention	Abstention
Germany (DIN)	Yes	No
Greece (NQIS ELOT)	Abstention	Abstention
Japan (JISC)	Yes	No
Kazakhstan (KAZMEMST)	Yes	Yes
Korea, Republic of (KATS)	Yes	Yes
Moldova, Republic of (INS)	Abstention	Abstention
Netherlands (NEN)	Abstention	Abstention
Russian Federation (GOST R)	Abstention	Abstention
Spain (AENOR)	Yes	Yes
Switzerland (SNV)	Abstention	Abstention
Tunisia (INNORPI)	Abstention	Abstention

United Kingdom (BSI)	Yes	No
United States (ANSI)	Yes	Yes

Answers to Q.1: "Do you support the need for an ISO International Standard on the subject? "

9 x	Yes	Canada (SCC) China (SAC) Germany (DIN) Japan (JISC) Kazakhstan (KAZMEMST) Korea, Republic of (KATS) Spain (AENOR) United Kingdom (BSI) United States (ANSI)
0 x	No	
10 x	Abstention	Austria (ASI) Belgium (NBN) Czech Republic (UNMZ) Finland (SFS) Greece (NQIS ELOT) Moldova, Republic of (INS) Netherlands (NEN) Russian Federation (GOST R) Switzerland (SNV) Tunisia (INNORPI)

Answers to Q.2: "Do you support the submission of this proposal for FDIS ballot? "

6 x	Yes	Canada (SCC) China (SAC) Kazakhstan (KAZMEMST) Korea, Republic of (KATS) Spain (AENOR) United States (ANSI)
3 x	No	Germany (DIN) Japan (JISC) United Kingdom (BSI)
10 x	Abstention	Austria (ASI) Belgium (NBN) Czech Republic (UNMZ) Finland (SFS) Greece (NQIS ELOT) Moldova, Republic of (INS) Netherlands (NEN) Russian Federation (GOST R) Switzerland (SNV) Tunisia (INNORPI)

Comments from Voters

Member:

Comment:

Date:

Germany (DIN)	Comment File	2016-11-16 13:11:36
CommentFiles/6N16476 Submission of IEEE Std 802.15.6™-2012_DIN.doc		
Japan (JISC)	Comment File	2016-11-21 00:08:39
CommentFiles/6N16476 Submission of IEEE Std 802.15.6™-2012_JISC.doc		
United Kingdom (BSI)	Comment File	2016-11-22 12:52:38
CommentFiles/6N16476 Submission of IEEE Std 802.15.6™-2012_BSI.doc		

Comments from Commenters		
Member:	Comment:	Date:
Italy (UNI)	Comment	2016-11-16 10:54:00
abstention		
Ukraine (DSTU)	Comment	2016-11-09 14:58:59
abstention		

Template for comments and secretariat observations

Date:2016-11-25

Document:

Project:

MB/ NC ¹	Line number	Clause/ Subclause	Paragraph/ Figure/Table	Type of comment ²	Comments	Proposed change	Observations of the secretariat
GB1 001					(a) the need for an ISO International Standard on the subject; Yes		
GB2 002					b) submission of the proposal for FDIS ballot. No		
GB3 003					<p>The UK is concerned that Clause 10 of the proposed IEEE 802.15.6 does not include an interference avoidance mechanism and therefore could cause interference with products implementing ISO/IEC 17982:2012 Information technology -- Telecommunications and information exchange between systems -- Close Capacitive Coupling Communication Physical Layer (CCCC PHY) which requires LBT (listen before talk).</p> <p>SC 6 recommends IEEE and SC 6 study the possible interference scenarios between the two systems and if necessary agree an interference avoidance mechanism for IEEE 802.15.6 clause 10 before FDIS submission.</p>		
DE 004				GE	<p>DIN would like to ask IEEE to consider further investigation to avoid a future coexistence problem between SO/IEC 17982 and clause 10 of the proposed IEEE 802.15.6 standard because there may be interference issues for use cases related to human body communication technology.</p> <p>ISO/IEC 17982 supports the LBT (listen before talk) mechanism to avoid interference, however there is no interference avoidance mechanisms in the Clause 10 of IEEE 802.15.6.</p>		

1 **MB** = Member body / **NC** = National Committee (enter the ISO 3166 two-letter country code, e.g. CN for China; comments from the ISO/CS editing unit are identified by **)

2 **Type of comment:** **ge** = general **te** = technical **ed** = editorial

Template for comments and secretariat observations

Date:2016-11-25

Document:

Project:

MB/ NC ¹	Line number	Clause/ Subclause	Paragraph/ Figure/Table	Type of comment ²	Comments	Proposed change	Observations of the secretariat
					SC 6 should propose that both SC 6 and IEEE will investigate regarding interference between the two systems and, in case an interference issue is identified, define an interference avoidance mechanism before FDIS submission.		
JP1 005		10		te	<p>ISO/IEC 17982 and the Clause 10 of the proposed IEEE 802.15.6 may be overlapped in some use-cases that use Human Body Communication technology.</p> <p>Japanese experts foresee possible interference between ISO/IEC 17982 and the Clause 10 of IEEE 802.15.6.</p> <p>ISO/IEC 17982 supports the LBT (listen before talk) mechanism for avoiding interference; however, Japanese experts did not find any interference avoidance mechanisms in the Clause 10 of IEEE 802.15.6.</p> <p>The above issue was pointed out after closure of review period of 6N16449 (at the stage prior to 6N16476). However Japan National Committee SC 6 would like to ask IEEE to take it into account for avoiding any future coexistence problems.</p>	SC 6 should suggest that both SC 6 and IEEE will investigate regarding interference between two systems and, in case possible interference is found, its avoidance mechanism before FDIS submission.	

D:\ISO\data\prod_iso_comment-collation\work\temp\6N16476 Submission of IEEE Std 802.15.6-2012_BSI.doc: Collation successful

D:\ISO\data\prod_iso_comment-collation\work\temp\6N16476 Submission of IEEE Std 802.15.6-2012_DIN.doc: Collation successful

D:\ISO\data\prod_iso_comment-collation\work\temp\6N16476 Submission of IEEE Std 802.15.6-2012_JISC.doc: Collation successful

Collation of files was successful. Number of collated files: 3

SELECTED (number of files): 3

PASSED TEST (number of files): 3

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Template for comments and secretariat observations

Date:2016-11-25	Document:	Project:
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MB/ NC ¹	Line number	Clause/ Subclause	Paragraph/ Figure/Table	Type of comment ²	Comments	Proposed change	Observations of the secretariat
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FAILED TEST (number of files): 0

CCT - Version 4.0/2015

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