

ISO/IEC JTC 1/SC 22

Programming languages, their environments and system software interfaces

Secretariat: ANSI (United States)

Document type: Summary of Voting/Table of Replies

Title: Summary of Voting on ISO/IEC PDTS 18661-4, Information Technology -- Programming languages, their environments, and system software interfaces -- Floating-point extensions for C -- Part 4: Supplementary functions

Status: For information. WG 14 is requested to review the comments, prepare a disposition of comments report and a recommendation on further progression of the work.

Date of document: 2014-09-02

Source: SC 22 Secretary

Expected action: INFO

Email of secretary: mpeacock@ansi.org

Committee URL: <http://isotc.iso.org/livelink/livelink/open/jtc1sc22>

Result of voting

Ballot Information

Ballot reference	ISO/IEC PDTS 18661-4
Ballot type	CD
Ballot title	Information Technology -- Programming languages, their environments, and system software interfaces -- Floating-point extensions for C -- Part 4: Supplementary functions
Opening date	2014-05-15
Closing date	2014-08-15
Note	

Member responses:

Votes cast (18)	Austria (ASI) Canada (SCC) China (SAC) Denmark (DS) Finland (SFS) France (AFNOR) Germany (DIN) Italy (UNI) Japan (JISC) Korea, Republic of (KATS) Netherlands (NEN) Portugal (IPQ) Russian Federation (GOST R) Spain (AENOR) Switzerland (SNV) Ukraine (DTR) United Kingdom (BSI) United States (ANSI)
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Comments submitted (0)

Votes not cast (1) Kazakhstan (KAZMEMST)

Questions:

Q.1	"Do you agree with approval of the CD text?"
Q.2	"If you approve the CD text with comments, would you please indicate which type ? (General, Technical or Editorial)"
Q.3	"If you disapprove the draft, would you please indicate if you accept to change your vote to Approval if the reasons and appropriate changes will be accepted?"

Votes by members	Q.1	Q.2	Q.3
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Austria (ASI)	Abstention	Ignore	Ignore
Canada (SCC)	Approval as presented	Ignore	Ignore
China (SAC)	Approval as presented	Ignore	Ignore
Denmark (DS)	Approval as presented	Ignore	Ignore
Finland (SFS)	Abstention	Ignore	Ignore
France (AFNOR)	Abstention	Ignore	Ignore
Germany (DIN)	Abstention	Ignore	Ignore
Italy (UNI)	Approval as presented	Ignore	Ignore
Japan (JISC)	Approval as presented	Ignore	Ignore
Korea, Republic of (KATS)	Approval as presented	Technical	No
Netherlands (NEN)	Approval as presented	Ignore	Ignore
Portugal (IPQ)	Abstention	Ignore	Ignore
Russian Federation (GOST R)	Approval as presented	Ignore	Ignore
Spain (AENOR)	Abstention	Ignore	Ignore
Switzerland (SNV)	Abstention	Ignore	Ignore
Ukraine (DTR)	Approval as presented	Ignore	Ignore
United Kingdom (BSI)	Approval with comments	All	Ignore
United States (ANSI)	Approval as presented	Ignore	Ignore

Answers to Q.1: "Do you agree with approval of the CD text?"		
10 x	Approval as presented	Canada (SCC) China (SAC) Denmark (DS) Italy (UNI) Japan (JISC) Korea, Republic of (KATS) Netherlands (NEN) Russian Federation (GOST R) Ukraine (DTR) United States (ANSI)
1 x	Approval with comments	United Kingdom (BSI)
0 x	Disapproval of the draft	

7 x	Abstention	Austria (ASI) Finland (SFS) France (AFNOR) Germany (DIN) Portugal (IPQ) Spain (AENOR) Switzerland (SNV)
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Answers to Q.2: "If you approve the CD text with comments, would you please indicate which type ? (General, Technical or Editorial)"		
0 x	General	
1 x	Technical	Korea, Republic of (KATS)
0 x	Editorial	
1 x	All	United Kingdom (BSI)
16 x	Ignore	Austria (ASI) Canada (SCC) China (SAC) Denmark (DS) Finland (SFS) France (AFNOR) Germany (DIN) Italy (UNI) Japan (JISC) Netherlands (NEN) Portugal (IPQ) Russian Federation (GOST R) Spain (AENOR) Switzerland (SNV) Ukraine (DTR) United States (ANSI)

Answers to Q.3: "If you disapprove the draft, would you please indicate if you accept to change your vote to Approval if the reasons and appropriate changes will be accepted?"		
0 x	Yes	
1 x	No	Korea, Republic of (KATS)
17 x	Ignore	Austria (ASI) Canada (SCC) China (SAC) Denmark (DS) Finland (SFS) France (AFNOR) Germany (DIN) Italy (UNI) Japan (JISC) Netherlands (NEN) Portugal (IPQ) Russian Federation (GOST R) Spain (AENOR) Switzerland (SNV) Ukraine (DTR)

**United Kingdom (BSI)
United States (ANSI)**

Comments from Voters		
Member:	Comment:	Date:
United Kingdom (BSI)	<i>Comment File</i>	2014-07-31 19:30:23
CommentFiles/ISO_IEC PDTS 18661-4_BSI.doc		

Comments from Commenters		
Member:	Comment:	Date:

Template for comments and secretariat observations

Date: May 2014	Document:	Project: PDTS 18661-4
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MB/ NC ¹	Line number (e.g. 17)	Clause/ Subclause (e.g. 3.1)	Paragraph/ Figure/ Table/ (e.g. Table 1)	Type of comment ²	Comments	Proposed change	Observations of the secretariat
GB	Page 4 line 3	5.3		ed	“_DecimalNX” should be “_DecimalNx”.	Change “_DecimalNX” to “_DecimalNx”.	
GB	Page 6 line 15	7		ed	For consistency with the wording in C11, this should say “the principal value of the arc cosine”.	Change “the arc cosine” to “the principal value of the arc cosine”.	
GB	Page 6 line 31	7		ed	For consistency with the wording in C11, this should say “the principal value of the arc sine”.	Change “the arc sine” to “the principal value of the arc sine”.	
GB	Page 7 line 12	7		ed	For consistency with the wording in C11, this should say “the principal value of the arc tangent”.	Change “the arc tangent” to “the principal value of the arc tangent”.	
GB	Page 7 line 32	7		ed	In “if x is positive”, the same fixed-width font should be used for “x” as elsewhere.	Use that fixed-width font for “x”.	
GB	Page 8 line 29	7		ed	“compute sine” should be “compute the sine”.	Change “compute sine” to “compute the sine”.	
GB	Page 17 line 6	7		te	The equivalence of $\text{rootn}(+/-\text{Inf}, n)$ to $\text{rootn}(+/-0, -n)$ is inappropriate when the result is an infinity because the text about rootn applied to $+/-0$ would require the divide-by-zero exception to be raised, but the IEC 60559 definition of that exception is that it should only be raised for finite operands.	After “not 0”, insert ‘, except that the “divide-by-zero” floating-point exception is not raised’.	
GB	Page 17 line 15	7		te	The equivalence for pown is similarly inappropriate.	After “not 0”, insert ‘, except that the “divide-by-zero” floating-point exception is not raised’.	
GB	Page 19 line 31 – page 21 line 17	8		te	Consistently with C11, all pointer arguments to the scaled reduction functions should be declared with “restrict”, not just sfptr .	Change “[static n]” to “[static restrict n]” in all these function declarations.	
GB	Page 22 line 32	8		ed	The call to scaled_prodsum in the last bullet point has too few arguments.	Change “p” to “p, q”.	
GB	Page 22	8		ed	The call to scaled_proddiff in the last bullet point	Change “p” to “p, q”.	

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: May 2014	Document:	Project: PDTS 18661-4
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MB/ NC ¹	Line number (e.g. 17)	Clause/ Subclause (e.g. 3.1)	Paragraph/ Figure/ Table/ (e.g. Table 1)	Type of comment ²	Comments	Proposed change	Observations of the secretariat
	line 43				has too few arguments.		

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