

WG14 N1689

## C Floating Point Teleconference

March 21, 2013  
10 AM P12T / 1 PM EDT  
Phone: 1-866-682-4770 (toll free) or 1-408-774-4073  
Conf Code: 8620908  
Security Code: 1234  
Wiki: <http://wiki.edg.com/twiki/bin/login/CFP/WebHome>

### Notes

#### Meeting logistics

Note taker, mail out notes - Jim

#### Introduction of attendees

Rajan Bhakta, Mike Cowlshaw, David Hough, Ian McIntosh, Jim Thomas, Fred Tydeman

#### Approval of agenda

#### Notes from 2013-02-14 meeting

Posted on WG14 and CFP wikis

#### Action items from 2013-02-14 meeting

AI: Mike to send Jim list of inconsistencies in Parts 1-3 introductions - DONE

#### Logistics

Next meeting date: Thursday, April 11

#### CFP as new WG 14 Work Item: ISO/IEC TS 18661

Ideas for dealing with double-posting and emails:

Send WG 14 summaries of threads

Use only WG 14 wiki

No resolutions

#### Discuss WG 14 review of Part 1 (n1676)

Need to submit comments on spreadsheet (by Apr 9)

Should be able to review comments at Apr teleconference

How to collect our comments?

AI: Jim to post spreadsheet with comments from teleconference attendees

A few editorial changes were discussed, including email from Fred –  
which Jim will include in spreadsheet

#### Prepare Part 2 for WG 14 mailing (Mar 26)

AI: Jim to determine if a new WG 14 document number is needed

AI: Ian and Rajan to review introduction and email comments by Mar 25

Agreed to Mike's suggestion to change title of last Introduction subclause to  
"Additional background on decimal FP arithmetic"

Agreed to organize clause 5 like clause 5 in Part 3?

Agreed to several minor editorial changes  
Resolved problems in printf output in Example 3 (started in Fred's email)  
Agreed to add a table showing limits on quantum exponents

Discuss Part 3 issues. Prepare Part 3 for WG 14 mailing (Mar 26)

Noted that Page 2, Issue 2 applies to Part 2 too

Agreed to make Clause 5 parallel in all Parts and remove Issue 2

Started walking through document noting the many changes

Discussed significance of having distinct types, not compatible

Mike noted hyphens used as minus signs in some places

P4, I17 – discussed removing “and may provide ...”

or maybe covering \_Float16 in an example

No resolution

P5, I9,11 – noted that we need to change “equivalent”

P7, I3 – will add ref to Part 2

P8. L7 - say “if and only if”

Discussed whether IS\_ARITH macros should be defined to 0  
(instead of undefined)

Jim to look for similar macros in C

P10 usual arithmetic conversions – discussed the priority of types with the same value

Draft has interchange > generic > extended

Out of time

AI: Jim to send email describing more changes.

David said we need a backup plan for a phone conference facility next month,  
because of his travel