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 Cowlishaw, 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, l17 – discussed removing “and may provide …”
or maybe covering _Float16 in an example
No resolution
P5, l9,11 – noted that we need to change “equivalent”
P7, l3 – 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