C Floating Point Study Group Teleconference

July 7, 2015
9 AM PDT / 12 PM EDT

Conference ID: 82968194
Toll-free Dial-in number: 1-888-426-6840
Other (International) Dial In Numbers:
  https://www.teleconference.att.com/servlet/glbAccess?process=1&accessCode=82968194&accessNumber=2158616239#C3
Screen sharing: https://apps.na.collabserv.com/meetings/join?id=1950-7849, Password:
  cfeisdygk
Wiki: http://wiki.edg.com/twiki/bin/login/CFP/WebHome

Draft Agenda

Meeting logistics
    Note taker, mail out notes - Rajan

Introduction of attendees

Approval of agenda

Notes from 2015-06-11 meeting

Carry-over action items
 Jim: cfp5-diff-20150211-20150309.pdf: p9: Line 10: Note that we need to make sure functions with
    two or more arguments (since the order of evaluation of them is not fixed) is handled. - Listed as
    unspecified behaviour in IEEE. In our spec we say in Annex J the program has to deal with it. Jim
    to send an email regarding this. - Keep open
 Jim: cfp5-diff-20150211-20150309.pdf: p9: Line 37: Look into tightening the underflow and inexact
    part. - IEEE says the program can't depend on inexact or underflow. David: May be due to before
    or after rounding. David: With underflow, flags and traps are not the same due to exact underflow.
    - Keep open
 Ian: Talk to Michael Wong and Lowell regarding proposing this IEEE-754: 2008 binding to C++ as well
    - Keep open
 Rajan, Jim: Talk to David Keaton regarding our intent for putting the essentials of parts 1 and 2 (not
    necessarily exact match) of this TS into the next C Standard. Need to look at reflector message
    13739. - Keep open
 Jim: Part 5: Add in examples of ASAP and Delayed Goto pragma's in the same block and in different
    orders. - An example with two delayed Goto's and text re ASAP was added. - Keep open
 Jim: Part 5: Add in a new issue - Is it worth adding expression evaluation methods that widen the
    library functions as well as the operators (that is already there)? - Email sent to discuss this
    yesterday - Keep open

David: Part 5: Provide a mechanism (a new #pragma?) to allow implementations to possibly not propagate constant modes (rounding, exceptions). - Email sent out (May 20th, 2015) - Keep open

Action items from 2015-06-11 meeting
  Blaine: Send out a DR process document so we can use that for Parts 1-4.
  Rajan: Create an outline of features in parts 1 and 2.
  Jim: Update the wiki to put in links to the test suites (from Mike) and possibly compiler manuals that address these parts.
  Fred: Find out the expiry date for an ISO document.
  Jim: Page 1: Fill in dates for parts 3 and 4.
  Jim: Page 3 and 4: Make the changes as proposed in the email on 2015/06/10 by Jim
  All: Do the FENV_ALLOW_* pragmas apply to complex types?
  Jim: Add a conformance macro for alternate exception handling.
  Jim: Word the goto description better to disallow jumping to a label for an exception that did not happen.

Study group logistics
      Next meeting date: Thursday, Aug 6?

Parts 3, 4 – report publication status

Part 5 – review teleconf-group draft, resolve issues

Wrap up
      Topics for next meeting