Editor's Report

November 25, 2009

1. Status

N1425 is a revised draft incorporating the changes from the Santa Cruz meeting plus a few more corrections and editorial changes. It contains diff marks for all of the changes from N1401 except for minor formatting changes and subclause number changes.

2. Newly Applied Content

1. N1383 *LIA annex correction*

2. N1384 *xxx*`_TRUE_MIN` *macros for* `<float.h>`

3. N1387 *Requested clarifications for thread-local storage* (initialization only)

4. N1391 *Floating-point to* `int`/`_Bool` *conversions*

5. N1394 *Analyzability* (along the lines)

6. N1396 *Wide function return values* (alternate proposal)

7. N1397 *Adding Alignment Support to C* (use `_Align` keyword rather than `[[ ]]` syntax)

8. N1398 *Treatment of math error conditions*

9. N1400 *Headers not idempotent*

10. N1406 *Anonymous Member-Structures and -Unions* (modulo ''name lookup'')

11. N1420 *On The Removal of* `gets()`

3. Previously Applied Content

1. N1252 *A finer-grained specification of sequencing*
2. N1282 *Clarification of Expressions*
3. N1285 *Extending the lifetime of temporary objects* (factored approach)
4. N1300 *Draft minutes for April 2008 9.19 N1271*
5. N1310 *Requiring* `signed char` *to have no padding bits*
6. N1311 *Initializing static or external variables*
7. N1316 *Conversion between pointers and floating types*
8. N1319 *Adding* `EPOLE` *to math library functions* (modulo change in minutes N1346)
9. N1320 *Integrating C89 Defect Report 25 into C1x* (modulo N1346)
10. N1321 *Split* `FLT_EVAL_METHOD` *into operations and constants* (modulo N1346) [subsequently removed by N1361]
11. N1326 *Adding TR 19769 to the C Standard Library*
12. N1327 *Abandoning a Process (adding* `quick_exit` *and* `at_quick_exit`*)* (modulo N1346)
13. N1330 *Static Assertions* (modulo N1346)
14. N1338 *More Thoughts on Implementing* `errno` *as a Macro*
15. N1346 *Draft Minutes for September 2008* (3.2 Report of the Project Editor) [Update Annex C (Sequence Points) to match revised text]
16. N1349 *Parallel memory sequencing model proposal*
17. N1350 *Analyzability* (#1, #4 - conditionally normative)
18. N1353 `FLT_EVAL_METHOD` *issues* (first change only)
19. N1356 `_Bool` *bit-fields*
20. N1357 `tgamma` *range error* (first way)

21. N1358 *Extensions to the C1X Library* (#1, #2, #3 along the lines)
22. N1359 *Technical corrigendum for C1X*
23. N1360 *Benign typedef redefinition*
24. N1361 **FLT_EVAL_METHOD** *and constants* (back out N1321)
25. N1363 *Editor's Report* (move unicode feature test macros, make **wchar_t** encoding imp-def if not 10646, and remove **quick_exit** footnote)
26. N1364 *Thread-local storage* (plus make auto access imp-def just like thread local)
27. N1365 *Constant expressions* (second bullet except "are covered" rather than "are not covered")
28. N1367 *Contractions and expression evaluation methods*
29. N1371 *Thread Unsafe Standard Functions* (except for 21.5)
30. N1372 *Threads for the C Standard Library*
31. N1373 *Wording improvements for* **mblen**, **mbtowc**, *and* **c16rtomb**
32. N1376 *Adding pole error to math library functions*
33. N1377 *xxx_***DECIMAL_DIG** macros for **<float.h>**
34. N1380 *Minutes for Markham, March/April 2009* (4.29 WG14 Mail 11572)
35. N1381 **memset_s()** *to clear memory, without fear of removal*
36. N1382 **FLT_EVAL_METHOD** *and return*

4. Other changes and comments

1. Fixed dangling reference to lock (mutex) functions in 5.1.2.4p5.

2. Removed the C++ feature test macros from 7.8.1, 7.19.2, 7.19.3, and 7.19.4 since C++ has never used them.

5. Open Issues

1. The N1371 21.5 changes need to be completed.

2. The index probably needs work, particularly for the newly added material.

3. The list of changes from the previous edition needs to be populated.

4. The library synopses need to be examined and extraneous headers removed.

--   Larry Jones