

Subject: Comments on Clause 13
 From: Malcolm Cohen

1 Edits

2 Edits refer to 06-007. Page and line numbers are displayed in the margin. Absent other instructions, a
 3 page and line number or line number range implies all of the indicated text is to be replaced by associated
 4 text, while a page and line number followed by + (-) indicates that associated text is to be inserted after
 5 (before) the indicated line. Remarks are noted in the margin, or appear between [and] in the text.

6 [We took some trouble several years ago to use the term “arguments to intrinsic procedures” to make it 341:19,20
 7 clear we’re specifying the actual arguments. Editor: “of” \Rightarrow “to” twice.]

8 [Some of ASIN has snuck in here. Editor: Delete “If $\dots \pi/2$.”] 355:24-26

9 [Editor: “ $\frac{2}{\pi} \int_0^X \exp -t^2 dt$ ” \Rightarrow “ $\frac{2}{\sqrt{\pi}} \int_0^X \exp(-t^2) dt$ ”. Notice the thin space (\backslash ,) before “d”.] 377:19

10 [Editor: “(that is, 1-ERF(X)) of X” \Rightarrow “of X, that is, 1-ERF(X)”.] 377:28

11 [Editor: Insert “of X” after “function” and insert a thin space (\backslash ,) before “dt”.] 378:6

12 [The last two paragraphs shouldn’t be indented as much as the description of CMDARG. Editor: Unin- 379:0+4-0+9
 13 dent these paragraphs.]

14 [Delete old note to the editor.] 380:16

15 [Editor: “ $\exp -tt^{X-1} dt$ ” \Rightarrow “ $t^{X-1} \exp(-t) dt$ ”. Notice the thin space (\backslash ,) before “dt”.] 383:4

16 [The condition “without undue overflow or underflow” is a requirement here, but is a recommendation at 386:1 et al
 17 [412:28+1-3]. It is missing from ABS(complex), which is bad because we do not want to tell users they
 18 have to write HYPOT-REAL(complex),AIMAG(complex)) instead of ABS(complex) to get the right
 19 answer: these ought to be consistent. The recommendation for NORM2 is badly stated; it attempts
 20 to be more rigorous, but (1) we don’t talk about “intermediate results”, (2) as stated it is ok for
 21 intermediate overflow as long as it returns an overflowed result, which is not actually what was intended,
 22 and (3) recommendations are meant to be done in normative text. Editor: At [351:8] insert “computed
 23 without undue overflow or underflow” at the end of the sentence. At [412:27] Append to paragraph
 24 “It is recommended that the processor compute the result without undue overflow or underflow.”. At
 25 [412:28+0-3] Delete note 13.20.]

26 [Editor: “is” \Rightarrow “are”.] 413:16

27 [Editor: “ALL” \Rightarrow “PARITY”.] 415:36

28 [Editor: Move Subclause **13.8.3.5 IMAGE_TEAM** to [440:3+], putting it after Subclause **13.8.3.7** 438:23-439:1-
 29 **FILE_STORAGE_SIZE**, and therefore in alphabetical order.]

30 [For consistency with the title of 13.8.3, the title of 13.8.4 ought to be **The ISO_C_BINDING intrinsic** 441:7
 31 **module**.]