Subject: Comments on Clause 13
From: Van Snyder

1 Edits

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

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

[According to [350:7-8] the “Argument(s) paragraphs specify requirements on the actual arguments.” Since they don’t apply to dummy arguments, referring to the “corresponding actual argument” is incorrect. Editor: “The corresponding actual argument” ⇒ “If DIM appears it” at the following places:] 353:19 etc.

353:19	354:25	365:10	369:4	370:15	380:12	386:25	387:30
392:20	395:5	403:1	404:9	406:33	408:6	415:25	417:2
430:31	435:20						

[“The corresponding actual argument” ⇒ “If SIZE appears it” at [434:9].]

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

[Bessel functions are usually described as “blah blah kind *and* order blah blah” to make it clear that “order” applies to the function, not the kind. Editor: Replace “of order” by “and order” in the **Description** and **Result** paragraphs of each of the six Bessel functions.] 358:3-359:19

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

[Editor: “(that is, 1-ERF(X)) of X” ⇒ “of X, $\frac{2}{\sqrt{\pi}}\int_X^\infty \exp(-t^2)\,\mathrm{d}t$, that is, 1-ERF(X)”.] 377:28

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

[The last two paragraphs shouldn’t be indented as much as the description of CMDARG. Editor: Move the “}” from after “terminated” to be after “unchanged.” Better yet, make them part of the “Description” paragraph.] 379:0+4-0+9

[Editor: Would hyphenating COM-MAND set this line better?] 379:0+5

[I think this is done, so the note isn’t needed any more.] 380:16

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

[The condition “without undue overflow or underflow” is a requirement here, but is a recommendation (more precisely stated) at [412:28+1-3]. Maybe it’s OK to have a requirement at one place and a recommendation at the other (they are different because NORM2 takes arrays of arbitrary size). Editor: at least “without undue overflow or underflow” ⇒ “computed so that intermediate results neither overflow nor underflow unless the final result would overflow or underflow, respectively”.] 386:1

[Editor: “will have” ⇒ “has”.] 394:10

[Editor: “is” ⇒ “are”.] 413:16

[Editor: “ALL” ⇒ “PARITY”.] 415:36

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

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