

Subject: Comments on Annex C

From: Van Snyder

1 Edits

Edits refer to 01-007. 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 immediately following text, while a page and line number followed by + (-) indicates that immediately following text is to be inserted after (before) the indicated line. Remarks are noted in the margin, or appear between [and] in the text.

[When I read “This standard permits the selection of the real approximation method for an entire program to be parameterized through the use of the parameterized real data type and module” from the point of view of a naive reader, I wondered “which module”? I also wondered how much of “parameterized real data” modified “module”? Also the reference to “this standard” is an anachronism from the FORTRAN 77-to-Fortran 90 transition. Editor: Replace the sentence by “One can select the real approximation method for an entire program through the use of a module and the parameterized real data type.”] 418:26-27

[Use the newly-coined “parent component” term. Editor: “component name that is the same as the parent type name” ⇒ “parent component” twice.] 426:4-6

[“iolist item” is not a defined term. Furthermore, the paragraph is about the EOR= specifier, which can appear only in READ statements. Editor: “iolist” ⇒ “input list”.] 434:17

[We now know the end-of-record status value. Editor: “a processor-dependent negative value” ⇒ “the value of the named constant IOSTAT_EOR from the ISO_FORTRAN_ENV module”.] 434:18

[“*iolist*” is not a syntax term. Furthermore, the paragraph is about the EOR= specifier, which can appear only in READ statements. Editor: “*iolist*” ⇒ “*input-item-list*”.] 434:22

[We don’t use the abbreviation “async” anywhere else. Editor: “async” ⇒ “asynchronous”.] 435:15

[“pass off” is a strange idiom. Editor: delete “off”.] 435:17

[“end/err” is unnecessarily terse. Editor: “end/err” ⇒ “end or error”.] 435:36

[There is no ERROR specifier, so it shouldn’t be capitalized. Editor: For consistency, set both “END” and “ERROR” into lower case.] 435:38-39

[“stuff” is a strange idiom. Editor: “stuff” ⇒ “conditions”.] 435:40

[“EOF” is not a defined term. Editor: “EOFs” ⇒ “ends of files”.] 435:43

[Editor: “which” ⇒ “that”.] 435:45

[At [436:7] we see “A file may become connected to a unit in either of two ways”. At [436:17] we see “Therefore, there are three ways a file may become connected.” At [436:20-21] we see “three connection methods”. Hmmm. Editor: At [436:7] “in either of two ways:” ⇒ “either by”.] 436:7, 17, 20-21

[The references to “previous standards” were obsolete in Fortran 95. Editor: “previous standards” ⇒ “FORTRAN 77 standard” thrice.] 441:16-17, 25

[Array features will be twelve years old by the time the standard is published. Editor: Delete “new”.] 453:18

[Use the correct terminology. Editor: “set of lengths” ⇒ “extents”.]	453:26
[Editor: Insert “the” before “actual” twice.]	463:11,15

2 Not sure, don’t know, or too lazy

If they need attention, we can develop edits at the meeting, if we have time, or insert unresolved issue notes.

Page and line numbers refer to 01-007.

“change dynamically” is awkward. Replace by “dynamically change”, or move “dynamically” to be after “object”.	420:4
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“The name of ... a block data program unit ... has no explicit use” seems to conflict with the possibility of its use in an EXTERNAL statement. In that context, it “confirms that the block data program unit is part of the program.” I have put block data program units in libraries, mentioned them in EXTERNAL statements, and observed that they are in fact incorporated into the program. So the specification in the standard has concrete as well as abstract effect.	441:3
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Subclause C.8.2 could be written in terms of the difference between module procedures and external procedures, instead of the difference between FORTRAN 77 and more modern standards.	C.8.2
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The phrase “Fortran and C functions” can be read “Fortran functions and C functions.” This isn’t the intent. If it were written “C functions and Fortran” there would be no question.	461:6-7
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