Subject: Section 1.11 from 03-107r1, revised
From: Van Snyder

1   Edits for Section 12

Edits refer to 02-007r3. 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.

Most of the following changes were proposed in paper 02-285r2 at J3 meeting 163.

[Editor: Delete the last sentence.]	252:13-14
[This isn't the definition of "abstract interface." Editor: Disembolden "abstract interface".]	255:31
[Editor: "without a generic specification" $\Rightarrow$ "with neither ABSTRACT nor a generic specification".]	255:32
[Editor: Delete the last sentence of the paragraph. It duplicates one at [255:32-33].]	255:39-40
[The two sentences "The characteristics ... (12.3.2.3)." are irrelevant to generic interfaces, and are already covered by [255:28-29]. Editor: Delete them.]	257:3-5
[Editor: "operators" $\Rightarrow$ "operations".]	259:5+4
[Editor: Delete ", an abstract interface".]	260:5
[A dummy procedure pointer is a dummy procedure (see [252:9]), so we need to exclude it here. Editor: After "procedure" insert "without the POINTER attribute".]	267:15
[Editor: Insert "associated" before "procedure" twice.]	267:16,17
[Editor: Replace "subobject selector" with "component selector, array section selector, array element selector, or substring selector".]	269:1
[This sentence overlooks DTIO. Editor: "or" $\Rightarrow$ ", execution of a"; after "(7.4.1.4)" insert ", user-defined derived-type input/output (9.5.3.7.1), or finalization (4.5.5)".]	272:10
[This sentence overlooks DTIO. Editor: "or" $\Rightarrow$ ","; after second "statement" insert ", or the processing of an input or output list item".]	272:13
[Editor: "specific only" $\Rightarrow$ "only specific" (twice).]	272:22,32
[Editor: Insert "only" before "specific".]	274:6
[Editor: Move to [276:4+].]	276:19
[The remainder of the paragraph discusses "the function;" this sentence suddenly discusses "a function." Editor, for consistency, "a" $\Rightarrow$ "the" and the second "the value" $\Rightarrow$ "that".]	276:24-25
[Too wordy, and sounds like one can't specify INTENT(IN) for pointer arguments. Use the term "dummy data object" for a dummy data object.]	282:1-2
C1267 The *specification-part* of a pure function subprogram shall specify that all its nonpointer dummy data objects have INTENT(IN).	
[Too wordy, and sounds like one can't specify INTENT for pointer arguments. Use the term "dummy data object" for a dummy data object.]	282:3-5
C1268 The *specification-part* of a pure subroutine subprogram shall specify the intents of all its non-pointer dummy data objects.	
[Too wordy. Editor: "dummy arguments that are procedure arguments" $\Rightarrow$ "its dummy procedures".]	282:8-9

The following change was proposed at J3 meeting 163 in paper 02-304r1, and in part 3 of paper 02-319r2.

1 [The sentence beginning with "Otherwise" doesn't parse well as it is, and simply adding "or ALLOCAT-   279:20-22
2 ABLE" would make the problem worse. Editor: Replace this sentence with following: "Otherwise, they
3 are storage associated and shall all be nonpointer, nonallocatable scalars of type default integer, default
4 real, double precision real, default complex, or default logical."]

5 The following changes were proposed in paper 02-314r1 at J3 meeting 163.

6 [Editor: Change to]   275:12-14

7 R1224   *function-stmt*   **is**   [*prefix*] FUNCTION *function-name* ■
8   ■ ([*dummy-arg-name-list*]) [*suffix*]

9 [Editor: Insert]   275:38+

10 R1228a *suffix*   **is**   *proc-language-binding-spec* [RESULT (*result-name*)]
11   **or**   RESULT (*result-name*) [*proc-language-binding-spec*]

12 [For only two items, the above approach to the BNF seems simplest. If there were more, the approach
13 used for *prefix* would be better.]

14 [Editor: Change to]   277:8-9

15 R1231   *subroutine-stmt*   **is**   [*prefix*] SUBROUTINE *subroutine-name* ■
16   ■ [([*dummy-arg-list*]) [*proc-language-binding-spec*]]

17 [This is slightly different from what was in 02-314r1, in that *prefix* is optional here but was not optional
18 in 02-314r1. Kurt Hirchert has remarked that this was a typographical error in 02-314r1.]

19 [Editor: Change to]   278:31-35

20 R1234   *entry-stmt*   **is**   ENTRY *entry-name* [([*dummy-arg-list*]) [*suffix*]]

21 [Yes, this really replaces *both* of the existing alternatives.]