Subject: Comments on Clause 12
From: Van Snyder

1 Edits

Edits refer to 06-007r1. 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.

[Overlooks internal procedures. Editor "an external ... pointer" ⇒ "a procedure that is neither a dummy procedure pointer nor a statement function".] 296:9-10

[Conflicts with 12.5.2.3: 12.5.2.3 says "if a nonoptional nonpointer dummy argument corresponds to a pointer actual argument, the actual argument shall be pointer associated with a target and the dummy argument becomes argument associated with that target" and "A present nonpointer dummy argument that corresponds to a nonpointer actual argument becomes argument associated with that actual argument." [312:3-4] says "If the dummy argument has the VALUE attribute it becomes associated with a definable anonymous data object...." No matter whether the actual argument has the pointer attribute, 12.5.2.3 conflicts with [12:3-4]. Editor: Insert "that does not have the VALUE attribute" after "dummy argument" at [311:2] and [311:6]. Then insert a new paragraph at [311:10]:] 312:3-4

If a present dummy argument has the VALUE attribute it becomes argument associated with a definable anonymous data object. If the dummy argument corresponds to a nonpointer actual argument the initial value of the data object is the value of the actual argument. If the dummy argument corresponds to a pointer actual argument that pointer shall be pointer associated with a target and the initial value of the data object is the value of that target.

[Then delete [312:3-3-5].]

[Editor: Replace "or" by a comma, then insert ", or *end-mp-subprogram-stmt*" after "*end-subroutine-stmt*".] 333:2

2 Question without edits

[We allow automatic "pointering" of INTENT(IN) pointer dummy variables to nonpointer actual arguments and automatic dereferencing of nonpointer dummy variables associated with pointer actual arguments. It appears we don't allow the same for pointer arguments. Did we intend this asymmetry?] 318:5-10