

Date: 18 July 1998  
 To: J3  
 From: Van Snyder  
 Subject: Comments on edits for procedure pointers

I apparently did not specify the positions of edits for procedure pointers sufficiently precisely. A few mistakes crept into the implementation. The following corrects them.

Richard Maine noted that an explanation was incomplete. This provides one.

Two J3 notes are addressed.

## 1 Edits

Edits refer to 98-007r2. 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 the indicated line. Remarks for the editor are noted in the margin, or appear between [ and ] in the text.

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[Editor: Part of R428.]

[39:29+]

**or** PROCEDURE( [ *proc-interface* ] ), ■  
 ■ POINTER :: *proc-decl-list*

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[Editor: Delete – Should be part of R428.]

[40:8-9]

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[Editor: Replace the sentence beginning “The EXTERNAL attribute...” and the note with the following.]

[65:14-17]

A name that is not the name of a module procedure, an intrinsic procedure, a statement function, a procedure pointer, or an array acquires the EXTERNAL attribute implicitly if it appears in a call statement or a function reference (12.4).

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Note: The POINTER attribute is required because the presence of any of the other attributes implies the *proc-entity* cannot be a dummy procedure or an external procedure.

[66:27-29]

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[Delete: The change suggested by this note is not required in the case of a procedure pointer with explicit interface – the material at [218:46-47 in 98-007r2] applies for the abstract interface. Section 12.4.1 appears to cover the implicit interface cases.]

[66:33-39]

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[This paragraph is no longer complete. Interface blocks can contain PROCEDURE statements that refer to module procedures, procedure pointers, external procedures or dummy procedures. Replace the sentence beginning “If the interface...” and the next one by the following:]

[219:28-31]

The PROCEDURE statement lists those procedure pointers, external procedures, dummy procedures or module procedures that have this generic interface. The listed procedure names may be defined in the same scoping unit as the interface block, or may be accessible by USE association.

[The sentences beginning “The characteristics...” are correct.]