24 August 1999

J3/99-181r1
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Subject: Remedying oversights in 98-121r1 – edits for procedure pointers

References: 99-134r3 From: Van Snyder

## 1 Edits

Edits refer to 99-007r2. 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.

Editor: Delete the sentence "The proc-entity-name ... parent type." As a consequence of the 49:29-31 syntax change made by part 2.2 of 99-121r1, it is no longer correct. See 44:32. [Editor: delete sentence beginning "A named..." because it's covered by 70:20 and 84:35-39.] 69:6-8 Editor: Delete – incorrect in that it doesn't account for USE renaming or generics. Covered 269:36-38 correctly by 14.1.2.] [Editor: Delete – covered by conspiracy of 70:20, 82:28-31 and 84:38-39.] 269:39-42 [Editor: Delete – same reason ads for 269:36-38 above.] 271:28-30 [Editor: Delete – covered by conspiracy of 70:20 and 84:38-39.] 272:34 [Re-word note to refer to attributes, not syntax:] 272:36-37 A name shall not be explicitly specified to have both the EXTERNAL and INTRINSIC 12.16attributes in the same scoping unit.

At the invocation of the procedure, a procedure pointer dummy argument becomes disassociated if it has INTENT(OUT). If it does not have INTENT(OUT) then it receives the pointer association status of the actual argument and, if the actual argument is currently associated, the procedure pointer dummy argument becomes associated with the same target. The association status of a procedure pointer dummy argument may change during the execution of the procedure unless it has INTENT(IN). When execution of the procedure completes, the pointer association status of the procedure pointer dummy argument becomes undefined if it is associated with a target that becomes undefined (14.7.6); following this, the pointer association status of the procedure pointer actual argument becomes that of the procedure pointer dummy argument unless the dummy argument has INTENT(IN).

Identical in spirit and very similar in wording to 276:10-18.

Note to J3

278:8+