

JOR Response to 01-360r1 - Comments on Section 12

1
2 To: J3
3 From: Craig Dedo
4 Date: December 4, 2001
5 Subject: JOR Response to 01-360r1 - Comments on Section 12

6 JOR reviewed the recommendations in 01-360r1 and recommends as follows. References are to
7 01-007r4.

8 **1 Edits**

9 r3: [239:4-6]

10 r4: [241:4-6] Delete the last sentence in the paragraph. Add the following three paragraphs.

11 The sequence of actions encapsulated by a procedure has access to entities in the invoking scoping
12 unit by way of argument association (12.4.1). A **dummy argument** is a name that appears in the
13 SUBROUTINE, FUNCTION, or ENTRY statement in the declaration of a procedure (R1226).

14 Dummy arguments are also specified for intrinsic procedures and procedures in intrinsic modules in
15 Sections 13, 14, and 15.

16 The entities in the invoking scoping unit are specified by actual arguments. An **actual argument** is
17 an entity that appears in a procedure reference (R1221).

18 A procedure may also have access to entities in other scoping units, not necessarily the invoking
19 scoping unit, by use association (16.7.1.2), host association (16.7.1.3), linkage association (16.7.1.4),
20 storage association (16.7.3), or by reference to external procedures (5.1.2.6).

21 r3: [241:38]

22 r4: [244:1-2] Yes. Insert "an" before "interface".

23 r3: [255:39]

24 r4: [258:8] Yes. Change "*target*" to "*data-target* or *proc-target*".

25 r3: [261:4]

26 r4: [263:12] Yes. Change "been declared a pointer" to "the pointer attribute".

27 r3: [261:38]

28 r4: [263-264:Note 12.38]

29 No change is necessary. We should keep the example simple.

30 r3: [263:10-11]

31 r4: [265:18-19] We do not accept the proposed change, but there is a technical defect that needs
32 to be corrected. Remove [] from around *proc-language-binding-spec* in the
33 second specification for the ENTRY statement. The two extra]] at the end of
34 263:11 in 01-007r3 do not appear in 01-007r4.

35 r3: [267:37]

36 r4: [270:7] Yes. Change "target of" to "*data-target* or *proc-target* in".

37 r3: [268:30]

38 r4: [271:Note 12.46] Yes. This is already corrected in 01-007r4.

39 r3: [387:8]

1 r4: [397:8] Yes. Insert "12," before "12.4.1" in the definition for "actual argument".

2 r3: [390:24]

3 r4: [400:33] Yes. Insert "12," before "12.5.2.1" in the definition for "dummy argument".

4 **2 Miscellaneous**

5 r3: [245:31-32], [246:32-33]

6 r4: [247:10], [248:11] No change is necessary. INTENT(IN) prevents a program from modifying
7 ALLOCATABLE and POINTER arguments but allows modification of
8 POINTER targets. The inclusion of POINTER operands to defined operators
9 is an intentional feature of Fortran 2000.

10 **References**

11 01-007r4, Fortran 2000 Draft

12 [End of J3 / 01-390r1]