

Subject: Comments on clause 16
 From: Van Snyder

1 Edits

- 2 Edits refer to 07-007. Page and line numbers are displayed in the margin. Absent other instructions, a
 3 page and line number or line number range implies all of the indicated text is to be replaced by associated
 4 text, while a page and line number followed by + (-) indicates that associated text is to be inserted after
 5 (before) the indicated line. Remarks are noted in the margin, or appear between [and] in the text.
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- 6 [Editor: Insert “, construct, or statement” after “unit”.] 483:19
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- 7 [Editor: Insert “, external input/output units, pending data transfer operations” after “labels”.] 483:21
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- 8 [Editor: Delete (see edit for [483:21]).] 484:1
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- 9 [Prohibits using a component name for anything other than identifying that component. Editor: Replace 485:26
 10 “appear only within” by “not be used to identify that component except by appearing as”.]
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- 11 [Editor: Delete “that”.] 487:11
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- 12 [Editor: Insert “in which *type-spec* does not appear” after “construct”.] 487:21
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- 13 [Editor: Insert “and” after “unit”.] 489:5
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- 14 [Editor: Exchange “still” and “can”.] 489:12
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- 15 [Editor: Delete Note 16.8 because the same thing, with almost exactly the same words, is said on the 489:12+1-3
 16 facing page at [488:12-14].]
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- 17 [Editor: Insert “assumed from” after “is”.] 491:18
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- 18 [Editor: In the last two lines of Note 16.12, replace “There is no requirement on a” by “A”, replace “to 491:23+8-9
 19 be able’ by “is not required”.]
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- 20 [Editor: Use an `enum` list instead of an `itemize` list. 491:26-492:10
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- 21 [Editor: Use an `enum` list instead of an `itemize` list.] 492:19-23
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- 22 [Editor: Insert “is pointer” before “associated”.] 492:29
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- 23 [Editor: Insert “has the SAVE attribute or” after first “that”.] 492:41
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- 24 [Editor: Insert a space after the first “unit”.] 493:34
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- 25 [Editor: Use math font “*n*” 494:4
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- 26 [Editor: Insert “if C character kind is not the same as default character kind” before “a nonpointer”.] 494:10
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- 27 [Editor: Insert “(3) or” before “(5)”.] 494:16
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- 28 [Editor: In the third and fourth lines of Note 16.14 use upper case for “x”.] 494:Note 16.14
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- 29 [Editor: Insert “where *size of* measures the number of storage units” after “*s*₂”.] 495:4
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- 30 [Editor: Exchange “the host” and “contained”.] 497:11-12
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- 31 [Editor: Replace “associating entity has” by “entities have”, replace “its” by “the”, insert “of the 497:21
 32 associating entity” after “status”.]
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- 33 [Editor: Use an `enum` list instead of an `itemize` list, including in the following item to be inserted into 497:21-34
 34 the list.]
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- 35 • If the associating entity is a pointer dummy argument and the pre-existing entity is a nonpointer
 36 actual argument the associating entity becomes pointer associated with the pre-existing entity and,

37 if the entities are arrays, the bounds of the associating entity become the same as those of the
38 pre-existing entity.

39 [The first sentence has no exceptions, and the “However” in the second sentence doesn’t entirely undo the 501:6-7,14
40 damage. Editor: Replace “However, when” by ”When”, insert “Otherwise,” at the end of the paragraph,
41 then replace the initial “When” of the paragraph by “when” and move the remainder of the sentence
42 after “Otherwise,.”.]

43 [Editor: Insert an item in the list:] 501:27+

44 (4 $\frac{1}{2}$) When an error condition occurs during execution of an output statement in which the unit
45 is an internal file, the internal file becomes undefined.

46 [Editor: Insert an item in the list:] 502:34+

47 (19 $\frac{1}{2}$) When a pointer is deallocated, any variable of type C_PTR becomes undefined if its value
48 is the C address of any part of the target that is deallocated.

49 [Editor: Move the paragraph to [503:24+].] 504:3-5

50 2 Questions without answers

51 Why is this paragraph different from [337:3-4]? 487:16-18

52 Should the first sentence of this paragraph be about construct entities in general, or is it intended to 487:19-21
53 apply only to an *index-name* in a *forall-header*?

54 Should we add this, instead of “derived-type definition or” at [489:3-4]? 488:40+

55 (15 $\frac{1}{2}$) a *type-name* in a *derived-type-stmt*,

56 The other descriptions of association specify the duration of the association, but the duration of host 489:19-22
57 association is not specified, at least not in 16.5.1.4. Should the duration of host association be specified
58 here?

59 What if there is no nonzero size successor? 495:5-10

60 Do we need to explain what happens to co-bounds here? 497:30+

61 Does anybody know what this means? 502:19-20

62 What is the point of this, since the *index-names* have construct or statement scope? 502:21-22