

Subject: Comments on Clause 8
 From: Van Snyder

1 Edits

2	Edits refer to 07-007r1. 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.	
6	[Editor: Delete “It is usually a transfer of control”.]	178: Note 6.3
7	[Editor: Move [178:7-9[to [178:10+]. At [178:10] replace “ Form ” by “ Purpose and form ”.]	178:7-10
8	[“execution of its <i>associate-stmt</i> ” is not defined. Editor: Replace “execution of its <i>associate-stmt</i> ” by	178:30
9	“evaluation of every expression within every <i>selector</i> and evaluation of every <i>selector</i> that is not a	
10	<i>variable</i> .”.]	
11	[Editor: Exchange “SELECT TYPE” and “ASSOCIATE” since we not describe them in subclauses in	179:2
12	the exchanged order.]	
13	[Editor: Replace “ Form ” by “ Purpose and form ”.]	180:14
14	[Editor: Replace “of the ... statements” by “selector of a CASE statement in a CASE construct”.]	180:34
15	[We don’t usually restate a constraint within itself. Editor: Delete “the <i>case-value-ranges</i> ... that is.”.]	181:5
16	[Editor: Replace “this” by “that”.]	183:13
17	[“succeeds” could be read as “not fails”. Editor: Replace “succeeds” by “follows” on the second line. In	183: Note 8.9
18	the penultimate line replce “will always precede’ by “always precedes”.]	
19		184:2
20	urpose and forms of the DO construct	P
21	[Editor: Delete.]	184:13
22	An <i>index-variable</i> in a DO CONCURRENT construct has a scope of the construct (16.4). The type and	186:23
23	kind of the index variables and their values for the iterations of the construct”	
24	[Editor: Delete.]	186:25-27
25	[Editor: Insert “simultaneously or” after “occur”.]	187:9
26	[Editor: Replace “belonging” by “that belongs to” for consistency with the next list item”.]	187:36
27	C827 A procedure referenced within a DO CONCURRENT construct shall be pure.	188:9
28	[Editor: Replace “in” by “during”.]	188:14
29	[Editor: Delete “A variable ... terminate.” because it’s said at 16.6.6(16) which is the correct place.]	188:16-18
30	[Editor: Replace “in” by “during”.]	188:19
31	[Editor: Replace “in” by “during”.]	188:23
32	[Editor: Replace “in” by “during” twice.]	188:27-28
33	[Editor: Replace “in” by “during”.]	188: Note 8.12
34	[Editor: Replace “SUM(A(I,J,:) * B(:,I,J))” by “DOT_PRODUCT (A(I, J, :), B(:, I, J))”.]	189: Note 8.14
35	[Editor: In the second line replace “will continue” by “continues”.]	189: Note 8.15
36	[Editor: Replace “example represents” by “silly example illustrates”.]	189: Note 8.17

37	[Editor: Replace “ Form ” by “ Purpose and form ”.]	190:2
38	[Editor: Replace “ Form ” by “ Purpose and form ”.]	191:12
39	[Editor: Replace “whose ... evaluated” by “causes evaluation of every expression within the selector,	192:29
40	and evaluation of the selector if it is not <i>variable</i> .]	
41	(5) Otherwise, no block is executed.	193:6+
42	[Editor: Replace “the EXIT ... it” by “a construct name appears the EXIT statement”.]	194:6-7
43	[Editor: Replace “contains” by “invokes”; delete “reference to a”; replace second “reference” by “invoca-	197:1-2
44	tion”.]	
45	[Editor: Delete “known as”.]	197:5
46	[Editor: Delete “that was”.]	199:8-9
47	[Editor: Replace “executed” by “execute”.]	201:9
48	[Editor: In the second paragraph of Note 8.38, replace “will wait” by “waits”.]	201: Note 8.38
49	[Editor: Replace “will be waiting” by “wait”; replace first “will finish” by “finishes”; delete “will” in	202: Note 8.39
50	second “will finish”.]	
51	[Editor: Replace “execution” by “executed”; insert “executed” after “QUERY statement”.]	202:18
52	[Editor: Insert “execution of” after “follow”.]	202:24
53	[Editor: Delete “in some user-defined way”.]	203:3
54	[Editor: Replace “will not necessarily” by “might not”.]	204:Note 8.4
55	[Editor: Delete “the” in “from the a synchronization”.]	205: Note 8.45

56 2 Questions without edits

57	Was there a conscious decision taken that variables defined in more than one iteration are undefined	188:19-22
58	after the construct terminates, while pointers whose pointer association status is changed in more than	
59	one iteration have a processor-dependent association status? Could we make them both either undefined	
60	or processor-dependent? If we make the pointers undefined, we should say so in 16.5.2.2.3, not here.	
61	Do we need to constrain against abstract types? If not, should we insert a note explaining how pointless	192:10-11
62	it would be?	

63 3 Feature creep or plugging a hole?

64	[Editor: Insert “if that dimension of the <i>selector</i> has an extent; otherwise that dimension has no upper	179:5
65	bound” to take care of the possibility the <i>selector</i> is a whole assumed-size dummy argument.]	
66	[Editor: Insert a new paragraph:]	123:8+
67	An <i>associate-name</i> that is construct associated in an ASSOCIATE or SELECT TYPE construct with a	
68	<i>selector</i> that is a whole assumed-size array is a whole assumed-size array.	

69 4 Use syntax instead of constraint

70	R214 <i>action-stmt</i>	is <i>if-consequent-action-stmt</i>	11:32
71		or <i>end-function-stmt</i>	
72		or <i>end-mp-subprogram-stmt</i>	
73		or <i>end-program-stmt</i>	
74		or <i>end-subroutine-stmt</i>	

75		or <i>if-stmt</i>	
76	R214a	<i>if-consequent-action-stmt</i>	is <i>allocate-stmt</i>
77	[Editor: Delete.]		11:41-44,50
78	[Editor: Replace “ <i>action-stmt</i> ” by “ <i>if-consequent-action-stmt</i> ” and delete C830.]		191:3-5