

Template for comments and secretariat observations

Date:2017-05-07

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MB/ NC ¹	Line number	Clause/ Subclause	Paragraph/ Figure/Table	Type of comment ²	Comments	Proposed change	Observations of the secretariat
JP 001	38	03.141	Page 21	ed	The phrase "and if it is a variable defined" is unclear.	Change it to "and defined if it is a variable".	
US 002	P 33 L 9-10	04.04.2	1	ED	Fortran 2008 is missing from the list of standards that did not include the current deleted features	Add "Fortran 2008" to the list.	
JP 003	26	05.03.6	Page 41	ed	Although the terms "stopped image" and "failed image" appear in the clause 5.3.6 and their references exist in Index, "active image" does not appear in the clause then its reference does not exist in Index. It would be more convenient to use the term "active image" (not "active" solely) in the clause 5.3.6.	Change "All other images are active" to, for example, "An image that is neither a stopped image nor a failed image is an active image".	
US 004	P 46 L 10-12	05.04.8	5	TE	The text "A nonallocatable coarray that is a local variable of a subprogram" represents a case that should be covered by other paragraphs in the subclause.	Delete this text and add a paragraph after paragraph 3 covering the case of a coarray being an associate entity in as ASSOCIATE, SELECT RANK, or SELECT TYPE construct, or host associated.	
JP 005	16	07.04.3.1	Page 62	ed	The phrase "if it is does not appear" is incorrect.	Delete "is" in the phrase.	
JP 006	23-24	07.04.3.2	Page 62	ed	The order of intrinsic functions list does not correspond to their descriptions in the sentence.	Change" RADIX (16.9.154) and RANGE (16.9.158)" to "RANGE (16.9.158) and RADIX (16.9.154)", or change the order of their descriptions list.	
GB 007	100:16+	08.05.3	Para 1	ed	Only variables and components can have the ALLOCATABLE attribute, but people get confused over ALLOCATABLE function results. The function result variable is ALLOCATABLE, but the function return value is just a value (it's not a variable).	After para 1 of 8.5.3 add "NOTE 8.3a Only variables and components can have the ALLOCATABLE attribute. The result of referencing a function whose result variable has the ALLOCATABLE attribute is a value that does not itself have the ALLOCATABLE attribute."	
GB 008	123:26	08.08	Para 4	ed	In 8.8 IMPORT statement, the BNF and paragraphs 1-3 use the term "IMPORT statement" to refer to any of the four forms, but paragraph 4 uses it to refer to the first form.	In para 4, change "IMPORT statement with no" to "IMPORT statement with no specifier or".	

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GB 009	128:24	08.10.02.4	Para 4	ed	This para says "A nonpointer object of a derived type that is not a numeric sequence or character sequence type shall be associated only with nonpointer objects of the same type with the same type parameter values." Noting that if a common block object is of a derived type, the type is required to have the BIND attribute or the SEQUENCE attribute (C8118) and that BIND and SEQUENCE types are not permitted to have type parameters, the words "with the same type parameter values" are vacuous and should be deleted.	In para 4, delete ""with the same type parameter values".	
US 010	P 146 L 4	09.07.3.2	10	TE	DEALLOCATE description does not require all images to be consistent	Add requirement; see 17-142 .	
JP 011		09.07.3.2	NOTE 9.24, page 146	ed	The phrase "synchronization of all images" is not exact.	Change "all images" to "all active images in the current team".	
GB 012	169:1-	10.01.12	Note 10.34	ed	The argument of LOG10 needs to be a real. The result of RADIX is integer.	Change "RADIX(0.0)" to "REAL(RADIX(0.0))".	
GB 013	202:23	11.01.10.4	Para 1	ed	y has not been declared.	Change "(y)" to "(x)", twice.	
GB 014	202:47+	11.01.10.4	Para 2	ed	lb1, ub1, lb2 are not declared to be integer	Add line "INTEGER lb1, ub1, lb2".	
GB 015	203:6	11.01.10.4	Para 2	ed	"IF (ANY(a(:j))==0) EXIT" is not correct	Change to "IF (ANY(a(:j))==0) EXIT".	
US 016	P 188 L 7-9	11.01.5.2	1	TE	Redefinition of active team variable provides no useable functionality, introduces runtime overhead, and allows undefined behaviour.	Prohibit redefinition of an active team variable. Discussion and edits in paper 17-146 .	

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US 017	P 188 L 20	11.01.5.2	5	TE	Unclear specification of CHANGE TEAM semantics	Discussion and examples in paper 17-148 .	
US 018	various	11.01.7, 19.4, 19.5	several	TE	Locality specifications for DO CONCURRENT construct are entirely superfluous	Delete locality specifications for DO CONCURRENT construct; see 17-144	
JP 019	44	11.01.7.5	Page 194	ed	"inquired about" should be "inquired about or changed".	Change "inquired about" to "inquired about or changed".	
JP 020	9	11.06.11	Page 218	ed	"a positive integer value" should be "a processor-dependent positive integer value".	Change "a positive integer value" to "a processor-dependent positive integer value".	
JP 021		11.06.4	NOTE 11.39, page 211	ed	The second sentence of the second paragraph is incorrect.	Change "image 1 will wait for each of the other images to complete its use of the data" to "image1 will wait for each of the other images to execute the statement SYNC IMAGES(1)".	
JP 022		11.06.4	NOTE 11.39, page 211	ed	The function name "iNUM_IMAGES" in the second program is incorrect.	Change "iNUM_IMAGES" to "NUM_IMAGES".	
GB 023	278:15	13.07.2.3.6	Para. 5	te	The hexadecimal indicator 0X should appear before the first digit and it does in NOTE 13.14. See also 13.7.2.3.2 para 7.	Before "x_0" add "0X".	
GB 024	278:23+	13.07.2.3.6	Para. 5	te	The choice of binary exponent is processor dependent.	At the end of para 5 add "The choice of binary exponent is processor dependent. If the most significant binary digits of the internal value are b_0b_1b_2..., the binary exponent might make the value of x_0 be that of b_0, b_0b_1, b_0b_1b_2, or b_0b_1b_2b_3."	
GB 025	278:24+	13.07.2.3.6	Para. 6	ed	The final value in NOTE 13.14 does not match the first value on the line.	In the final value in NOTE 13.14, change "3" to "4".	
GB 026	278:24+	13.07.2.3.6	Para. 6	ed	To illustrate that the leading hex digit need not be 1, add another example to NOTE 13.	Add extra line at the end of NOTE 13.14: "2.375 EX0.1 0X2.6P0".	

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GB 027	303:21-23	15.04.2.2	Para 1	ed	The list is not complete because an explicit interface is required for a procedure that is an actual argument in a reference to a procedure and corresponds to a dummy argument that is a pure procedure.	Replace item (1) by “(1) a reference to the procedure appears with an argument keyword (15.5.2), (1a) the procedure is used in a context that requires it to be pure (15.7),”	
US 028	P 318 L 31-33	15.05.2.4	15	TE	This paragraph indicates that assumed-rank dummy arguments retain the bounds of the actual argument. For consistency with assumed-shape, lower-bounds should be reset to 1.	Replace "the lower and upper bounds of.....except that when" with "the lower bound of each dimension is 1. When" It makes the whole paragraph read: "An actual argument of any rank may correspond to an assumed-rank dummy argument. The rank and shape of the dummy argument are the rank and shape of the corresponding actual argument. If the rank is nonzero, the lower bound of each dimension is 1. When the actual argument is assumed-size, the upper bound of the last dimension of the dummy argument is 2 less than the lower bound of that dimension."	
GB 029	318:30-35	15.05.2.4	Para 15	te	For a nonpointer nonallocatable assumed-rank dummy argument, [318:30-35] says that the bounds are those of the actual argument. If the actual argument is a nonpointer nonallocatable array, the lower bounds in its C descriptor are required to be zero (see [497:14-15]). Its actual lower bounds would need to be passed in a separate part of the C descriptor. We do not think this was intended. TS 29113, clause 6.3, para 1 says that the extents are assumed in this case, not the bounds.	Replace “The rank ... of that dimension.” with “The rank and extents of the dummy argument are the rank and extents of the corresponding actual argument. The lower bound of each dimension of the dummy argument is equal to one, and the upper bound is equal to the extent, except that when the actual argument is assumed-size, the upper bound of the last dimension of the dummy argument is equal to minus one.”	
GB 030	342:5+	16.02.1	Para 4+	ed	The actual arguments corresponding to the arguments MOLD and ROUND of the elemental intrinsic function OUT_OF_RANGE are required to	Add paragraph	

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					be scalar, just as for dummy arguments KIND of other elementals, but this is not said in 16.2.1.	"An actual argument that corresponds to the dummy argument MOLD or ROUND of the intrinsic function OUT_OF_RANGE shall be scalar."	
GB 031	416:17	16.09.146	Para 4	ed	The result of OUT_OF_RANGE is incorrectly limited to being scalar.	Delete "scalar".	
GB 032	373:25+	16.09.55	Para. 3	ed	The list of arguments does not include KIND.	Add the line "KIND (optional) shall be a scalar integer constant expression."	
GB 033	385:14	16.09.78	Para 8	ed	There is a typographical error here.	Change "6,]" to "6]",	
US 034	P 448 L18	17.02	2	ED	IEEE_MODES_TYPE is defined in module IEEE_EXCEPTIONS, not IEEE_ARITHMETIC.	Move to paragraph 3. Edits in paper 17-145 .	
GB 035	450:2-3	17.03	Para 7	ed	"the relational operation" is not defined.	Change "the relational operation" to "the intrinsic equality or inequality operation between x_1 and x_2".	
GB 036	462:16	17.11.17	Para 6	ed	The bullet list omits the case when the arguments have the same value.	Delete bullet 4 and add new final bullet: "otherwise, the result is either X or Y (processor dependent)."	
GB 037	462:34	17.11.18	Para 6	ed	The bullet list omits the case when the arguments have the same value and can be simplified by referring to IEEE_MAX_NUM.	Replace the last three bullets with the bullet: "otherwise, the result has the value of IEEE_MAX_NUM(X,Y)."	
GB 038	463:9	17.11.19	Para 6	ed	Inconsistent format	Remove new line after "Result Value."	
GB 039	463:15	17.11.19	Para 7	ed	The bullet list omits the case when the arguments have the same value.	Delete bullet 4 and add new final bullet: "otherwise, the result is either X or Y (processor dependent)."	

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GB 040	463:33	17.11.20	Para 6	ed	The bullet list omits the case when the arguments have the same value and can be simplified by referring to IEEE_MIN_NUM.	Replace the last three bullets with the bullet: "otherwise, the result has the value of IEEE_MIN_NUM(X,Y)."	
US 041	P 483 L 19	18.02.1	1	ED	There are references to Table 15.1 and Table 15.2. These should be Table 18.1 and Table 18.2.	Change table references to 18.1 and 18.2 respectively. Edits in paper 17-147 .	
GB 042	483:19	18.02.1	Para 1	ed	The references to the tables are incorrect	The references should be: Table 18.1 and Table 18.2.	
US 043	P 516 L 13	19.04	1	TE	ASYNCHRONOUS and VOLATILE in BLOCK constructs imprecisely described	Replace "and" with "or", include host association; see 17-143	
GB 044	538:39+	A.2	Para 1	te	The choice of binary exponent in EX output editing is processor dependent.	After the bullet for "the effect of a IEEE Nan ..." add bullet: "the choice of binary exponent in EX output editing (13.7.2.3.6)."	
US 045	P xvii	Foreward	6	ED	Corrigendum 4 to Fortran 2008 is missing from the documents incorporated into the new standard.	Add "ISO/IEC 1539-1:2010/Cor. 4:2016" to the list in the second sentence of para 6.	

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