Subject: J3 F03+ New Features 04-370r1.xls

	Α	В	С	D	Е	F	G	Н	I	J
		Repos		Hate Dislike			Impact		Priority	J3 F03+ New Features Brief
1	Paper	itory#	Author	Like Love	Disposition	Keywords	on Std	Links	ABC	Description
	04-359			00 00 07 04	JoR		3		07 03 02	Rewrite attribute requirements
3	N1592	04-001	UK		0Repository		6		07 03 02	Co-array Fortran for parallel programming
					,			& 04-164 04-		
4	04-153		Van	00 00 07 04	JoR	Generic	Large 6	237 04-247	05 02 05	Parameterized Modules
5	04-193		Van	00 01 06 03	JoR	Misc	Medium			.ANDTHEN. & .ORELSE.
6	04-244		Bill	00 01 09 02	JoR	TKR	Large 7	cf 03-278	04 02 06	TYPELESS object
								& 04-215 cf		-
7	04-122		Van	00 03 07 01	JoR	Misc	Large 7	04-245	04 01 07	Physical Units
8	04-104	done	Dan	00 03 09 00	04-344r1	Interop		cf 04-120	03 08 01	C_sizeof
9	04-121	done	Dan	00 03 07 01	04-346r2	Decl	Small	cf 04-240	03 04 05	Finding Logical & Character Kinds
10	04-148		Van	01 03 07 00	JoR	Misc	Small		03 03 06	Internal Procedures as actual args
11	04-282		RichM		JoR					Proposed f2k+ MTE on semicolons
12	04-102	done	Dan	00 01 09 01	04-319r2	Misc	Small		02 07 03	Stop - exit code
13	04-120	done	Dan	00 01 08 03	04-342	Intrinsic	Small	cf 04-104	02 07 03	STORAGE_SIZE intrinsic {cf N1539}
14	04-106		Dan	00 02 10 00	JoR	Misc, Intrins	Small		02 06 04	Execute External program intrinsic
								& 143 144		· -
15	04-142		Dan	00 00 09 02	JoR	Assert	Medium	212 219	02 06 04	Assert statement
16	04-158		Van	00 00 10 00	JoR	Misc	Small	== 04-108	02 04 06	Construct names Local to Construct
17	04-113		Dan	00 01 09 00	JoR	Intrinsic	Small		02 02 08	
18	04-341		Van	00 06 07 00	JoR		6		02 02 08	Extensible modules
19	04-202		Van	00 00 11 00	JoR	Decl	Medium		01 08 03	Non-null Initial Targets
20	04-107		Dan	00 00 07 04	JoR	I/O	Small	== 04-186	01 07 04	Get logical I/O unit number
21	04-136		Dan	00 00 11 01	JoR	Decl	Medium	& 04-196	01 07 04	Same Assumed Shape declaration
22	04-189		Van	00 00 08 03	JoR	Misc	Small		01 07 04	Allow empty CONTAINS part
										Another whack at embedding conditionals in
	04-357r1		Van	00 04 07 00	JoR		4	see 04-192		expressions
24	04-119		Dan	01 01 04 04	JoR	Decl	Medium		01 06 05	IMPLICIT to set def kinds - vars & literals
25	04-137		Dan	00 00 09 02	JoR	Misc	Small		01 06 05	Compiler Version
	04-179		Van	00 01 10 00	JoR	Decl	Medium			Default for Optional Dummy
	04-185		Van	00 00 11 02	JoR	Intrinsic	Small			Ascii in LGE etc
	04-345		Van	00 05 06 00				04-149 again		Coroutines (again)
	04-226		Van	00 00 11 02	JoR	Decl	Small			Public #116: Forward Allocatable
30	04-246		Dan	00 03 06 00	JoR	Intrinsic	Small			Libm: Bessel, erf, gamma, hypot
										More information about
	04-352		Van	00 00 13 00	JoR		3			GET_COMMAND[_ARGUMENT] failure
	04-152		Alek	00 00 09 01	JoR	Misc	Small			Mold on Allocate
	04-161		Van	00 00 10 01	JoR	Decl	Small			Type(Intrinsic-type)
	04-165		Van	00 00 09 01	JoR	Misc	Small	& 04-225		Updating Complex parts
	04-114		Dan	01 01 08 02	JoR	Modules	Small	cf 04-205		Use, Not
	04-132		Dan	00 03 08 01	JoR	Decl		& 04-198	01 03 08	Sequence Pointers to contiguous mem
37	04-251		CraigD	00 03 10 00	JoR	Decl	Small		01 03 08	Rank > 7

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38	04-124		Van	02 00 07 02	JoR	Interop	Medium	& 04-229	01 02 09	Interop for Optional & Assumed args
39	04-135		Dan	04 02 05 01	JoR	Decl	Medium		01 02 09	New Intents
40	04-243		Bill	00 00 06 04	JoR	Misc	Medium		01 02 09	CONCURRENT construct
41	N1592	04-003	UK		0Repository		4		01 02 09	Conformance to IEEE 754R
42	04-131		Dan	02 03 07 00	JoR	Decl	Medium		01 01 10	Pointers and Targets
										-
	04-178		Van	01 04 06 00	JoR	Misc	Medium		01 01 10	Disassoc/dealloc actual => not Present
44	N1592	04-002	UK		0Repository		3		01 01 10	Decimal floating-point arithmetic
45	04-184		Van	00 00 11 02	JoR	Intrinsic	Small			Math Intrinsics: complex trig
	04-177		Van	00 03 07 00	JoR	Misc	Small		00 07 05	Name Optional on End module subprog
	04-183		Van	00 01 11 00	JoR	Intrinsic	Small			Atan/Atan2
48	04-351		Van	00 02 10 00	JoR		3		00 07 05	More general pointer initialization
										Allow a polymorphic allocatable <variable> in</variable>
	04-354r1		Van	00 02 09 00	JoR		4			intrinsic assignment
50	04-101		Van	00 00 11 00	JoR	Decl	Small		00 06 06	Size/shape of Parameter Array
51	04-156		Van	02 01 08 00	JoR	Misc	Small	== 04-109		Exit from any labelled Construct
	04-170			00 00 10 01	JoR	Misc	Small		00 06 06	Allocatable/Pointer in Generic Resolve
53	04-216		Walt	00 04 09 00	JoR	FP, Intrinsic	Medium		00 06 06	Public #109: Behavior of -0.0 in intrinsics
										Resolve generic without invoking a procedure
	04-273		Van	00 01 13 00	JoR					or evaluating arguments
55	04-155		Van	02 01 07 01	JoR	Decl	Large 5		00 05 07	Declarations within Constructs
	04-162		Van	01 01 07 01	JoR	Decl	Small		00 05 07	Parameter inside Type
	04-187			00 01 10 01	JoR	Decl	Small			Generic Statement vs interface block
	04-203		Van	01 01 07 00	JoR	I/O	Small			Component Names in Namelist
	04-220			00 00 11 00	JoR	Intrinsics	Small			Public #112: Integer part of LOG2
	04-240			00 00 06 04	JoR	Decl		cf 04-121		Simplified Kind Selection
		04-004	UK		0Repository		3			KIND environment specification
	04-118			01 03 05 00	JoR	Decl	Medium	& 04-176		EXPLICIT statement for checking
	04-126			00 01 08 01	JoR	00	Large 6			Initial Procedures
	04-138		Dan	00 01 08 00	JoR	I/O	Small			Leading Zeros fromat edit descriptor
	04-167		Van	00 00 11 00	JoR	Decl	Small			Protected Types
	04-169			00 00 09 02	JoR	Decl		eg 04-286	00 04 08	Optional Defined Operator
	04-339			00 03 09 00	JoR		3			Generalization of generic interface blocks
	04-347		Van	00 01 09 00	JoR		3			Relax C1226 a little bit
	04-110		Dan	00 02 08 00		FP, intrinsic	Small			Direction on EPSILON, RRSPAC, SPAC
	04-111			00 00 09 02	JoR	Decl	Small			AUTOMATIC declaration for variables
	04-133			01 01 09 01	JoR	Misc		& 04-190		Swap statement
	04-145			00 02 07 00	JoR		Medium			Reverse Interp 31
	04-157			00 05 05 00	JoR	Misc	Small			Triplets in Case
	04-163			00 01 07 01	JoR	Misc	Medium			Control Intrinsic Assignment
	04-227			00 00 11 01	JoR	Decl	Small			Public #117: Access-spec on Subprogram
	04-103		Dan	00 02 10 00	JoR	Misc	Small			Relational ops for unordered reals
77	04-105		Dan	00 04 05 01	JoR	I/O	Small		00 02 10	Close (Defer=)

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78	04-115		Dan	00 03 05 00	JoR	FP, Intrinsic	Small		00 02 10	ULPS intrinsic
	04-127		Dan	00 00 09 01	JoR	Decl	Small		00 02 10	Volatile Functions must be executed
	04-129		Dan	00 03 08 00	JoR	Intrinsic	Small			HPF Intrinsics: ceiling div & remainder
81	04-146		Van	00 01 09 01	JoR	Decl, Interd	Large 5			Creating New Types from existing types
82	04-150		Alek	00 04 05 01	JoR	Misc	Medium	from 04-123	00 02 10	Multiple non-0 rank Array References
83	04-175		Van	00 02 10 00	JoR	Misc	Medium			Override Defined Pointer Assignment
84	04-188		Van	01 02 06 00	JoR	Misc	Medium		00 02 10	Kind args for Generic Resolution
85	04-194		Van	00 00 10 00	JoR	Misc	Small		00 02 10	MultiKind character concatenation
86	04-199		Van	00 04 07 00	JoR	TKR	Medium		00 02 10	More General Rank remapping
87	04-200		Van	00 04 07 00	JoR	Decl	Medium		00 02 10	Named Specification Expressions
88	04-204		Van	00 03 05 00	JoR	I/O	Small		00 02 10	Size= for Advancing I/O
89	04-207		Van	00 04 07 00	JoR	Decl	Small			USE within TYPE
	04-211		Walt	00 01 12 00	JoR	Misc, FP	Small		00 02 10	Public #104: Clarify Approximation
	04-233		Van	00 06 05 01	JoR	Interop, De				More Interop
	04-245		Dan	02 03 06 00	JoR	decl, TKR	Large 7	cf 04-122		New varieties of DT parameters
	04-255		CraigD	00 02 10 00	JoR	Decl	Medium			Construct Constant Arrays piecewise
	04-259		CraigD	00 02 09 00	JoR	1/0	Small			Field Justification format edit descriptor
95	04-276		Van	00 03 09 00	JoR				00 02 10	Variation on PACK
								subsumes		
	04-356		Van	01 04 6 00	JoR			04-338		Relax unnecessary restrictions on VALUE
-	04-140		Van	01 03 02 04	JoR	TKR	Large 6			Named Subranges of integers
	04-160		Van	00 02 09 00	JoR	Misc	Small			On Exit/On Return sections
	04-168		Van	00 80 00 00	JoR	Decl	Medium			Partial Application in Interface bodies
	04-182		Van	00 05 06 00	JoR	Misc, Intrins				Characteristics of Memory
	04-195		Van	00 00 11 02	JoR	Misc	Medium			Generalize Vector Subscript
	04-197		Van	00 00 11 01		Decl	Large 6			Combine Assumed and Explicit Shape
	04-221		Dan	00 05 06 00	JoR	I/O	Small			Open (INFO=)
	04-275		Van	00 04 09 00	JoR					WHERE function
	04-151		Alek	00 02 07 01	JoR	Decl, Interd		from 04-213		Address Attribute
-	04-208		Walt	01 03 08 00	JoR	Misc	Medium			Public #101: Clarify "as-if" Rules
	04-108		Dan		JoR			see 04-158		Block Name scope is block
	04-109		Dan		JoR			see 04-156		EXIT from Any Block
	04-123		Alek		JoR	Δ .	N.4. /:	see 04-150		Multiple Rank Array References
	04-143		Dan		JoR	Assert				Premise/Property assert in interfaces
	04-144		Dan		JoR	Assert	Medium			Invariant assert in type declarations
	04-164		Van		JoR			see 04-153		Types as Type Parameters
	04-176		Van		JoR			see 04-118		Specify No Implicit External
-	04-186		Van		JoR			see 04-107		Get LUN
	04-190		Van	00.05.05.01	JoR	N 4°	N.A. 1"	see 04-133	00 00 00	
	04-192		Van	00 05 05 01	JoR	Misc	Medium			Embed IF within Expressions
	04-196		Van		JoR			see 04-136		Array as Bounds Specification
	04-198		Van		JoR			see 04-132		Specify Contiguity/Noncontiguity
119	04-210		Walt		JoR			== 04-208	00 00 00	Public #102: Clarify Function Side-effects

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120	04-212		Dick		JoR			see 04-142	00 00 00	Public #105: Assert + Helpers
121	04-215		Walt		JoR			see 04-122	00 00 00	Public #108: Physicsl Units
122	04-219		Walt		JoR			see 04-142		Public #111: Assert Function
123	04-222		Van		Edit				00 00 00	FCD Problems
124	04-225		Walt		JoR			see 04-165	00 00 00	Public #115: Enhance Complex
125	04-228		Van		Edit				00 00 00	Fix char and len
126	04-229		Alek		JoR			see 04-124	00 00 00	Interop of Strided Arrays
127	04-231		Dan		Ballot				00 00 00	FCD Ballot
128	04-234		Van		Edit				00 00 00	Typo in FCD
129	04-237		Dan		JoR			see 04-153	00 00 00	Assumed Kind
130	04-238		RichM		Edit				00 00 00	Implied DO scope
	04-239		Alek		JoR					Extended Genericity
132	04-242		Van		JoR			04-004	00 00 00	Archive Suggestions?
								04-239 worse		
	04-247		Alek		JoR	Generic	Large 7	see 04-153		Generic Program Units
134	04-260		Van		EM				00 00 00	Extended Module facility TR
								merge with		
135	04-278		Van		JoR			04-119	00 00 00	Implicit kind, default kind
										Elemental operations on pointer association
136	04-337r1		Van	00 09 02 00	No Action				00 00 00	
								addition to		Allow more general forward type reference for
137	04-350r1		Van	00 06 05 00	No Action			04-226	00 00 00	components
										Remove prohibition against forward reference
138	04-355r1		Van	02 04 05 00	No Action					to the type of an object
										Edits to use PRESENT instead of APPEAR in
	04-362r1		Van	00 07 05 00	No Action			see 04-180		specifier descriptions
	04-112		Dan	07 04 01 00	No Action					Do Until
141	04-116		Dan	02 03 06 00	No Action					IS_PRINTABLE intrinsic
l l										Public #101-106: covered by individual
	04-117		Walt		No Action					papers 208213
	04-125		Van	07 03 01 01	No Action					Use func result for generic resolution
	04-128		Dan		No Action			withdrawn		Local Optional Dummys
	04-130		Dan	24 22 22 24	No Action			withdrawn		Varying Strings Intrinsics
	04-134		Dan	01 09 00 01	No Action					Permutation attribute for arrays
147	04-139		Van	00 06 04 01	No Action					Enumerations as new types
1,,	04.444		\/	04 00 04 00	No Astis					A cooper Droped lures
	04-141 04-147		Van	01 06 01 02				04 004		Accessor Procedures
			Van		No Action			eg 04-284		Make INCLUDE more Portable
	04-149		Van	01 09 02 01	No Action					Coroutines
	04-154		Van	04.00.04.00	No Action					Exception handling
	04-159		Van		No Action					Test Do at End
	04-166		Van	01 05 03 00	No Action					Bit Data Type
154	04-171		Van	00 09 01 02	No Action					Compound Operator/Assign generics

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155	04-172		Van	05 03 02 00	No Action				Operators with directed rounding
156	04-173		Van	01 08 01 00	No Action				Compound Quot/Rem, Sin/Cos
157	04-174		Van	05 04 01 00	No Action				Module Initialization part
158	04-180		Van	00 05 03 00	No Action				I/O Spec Present v. Appear
159	04-181		Van	00 08 03 00	No Action				MaxAbsLoc Etc
160	04-191		Van	00 09 01 01	No Action				Array Constructors on LHS
161	04-201		Van	00 08 03 01	No Action				Initial Value per Invocation
162	04-205		Van	05 06 00 01	No Action			cf 04-114	More control of USE
163	04-206		Van	01 10 02 00	No Action				Local Name = Module Name
164	04-209		Walt	02 07 02 00	No Action				Public #103: turn off expression re-ordering
165	04-213		Alek		No Action			04-151 better	Public #106: Address Attribute
166	04-214		Walt	01 11 00 00	No Action				Public #107: Further Interop
167	04-217		Walt	10 03 00 00	No Action				Public #110: Index Structure Components
	04-218		Van	03 08 02 00	No Action				Strict FP Arithmetic
	04-223		Walt		No Action				Public #113: Bigraph Operators: ++, += etc
170	04-224		Walt	11 02 00 00	No Action				Public #114: Single char Substring Selection
171	04-230		Alek		No Action			04-146 better	Typedef
	04-232		Alek		No Action			withdrawn	Dereferencing C pointers
	04-235		Walt	02 08 02 00	No Action				Public #118: New Uses of USE
	04-236		Van	04 08 01 00	No Action				Public #119: Goto-come from
	04-241		Alek		No Action				DIMENSION() - indeterminate rank
	04-248		CraigD		No Action				Alignment Directives
	04-249		CraigD	08 03 00 00	No Action				VFE: variable FORMAT expressions
	04-250		CraigD	01 11 01 00	No Action			cf 04-263	Unsigned Integers
	04-252		CraigD	10 03 00 00	No Action				Require 10646 character set
	04-253		CraigD	05 06 02 00	No Action				Row Major Arrays
	04-254		CraigD	01 05 04 00	No Action				File Sharing Modes
	04-256		CraigD		No Action				Period as DT Delimiter
	04-257		CraigD		No Action				\$ and \ Edit Descriptors
	04-258		CraigD		No Action				Q Edit Descriptor
	04-261		Walt	04 08 00 00	No Action				Public #120: Cray Pointers & malloc
	04-262		Walt	05 08 00 00	No Action				Public #121: Stride in Substring Indexes
	04-263		Mike	00 10 01 01	No Action			cf 04-250	Unsigned Integers
188	04-279		Van	01 07 02 01	No Action				Extensible modules
									Sections or elements of pointer arrays are
189	04-280		Van	05 08 01 00	No Action			see 04-192	pointers
									Sections or elements of absent arguments are
190	04-281		Van	04 03 02 00	No Action				absent
									Map application of function onto derived-type
191	04-285		Van	01 05 05 00	No Action				components
192	04-349		Van	01 06 06 00	No Action				Remove an unnecessary restriction on BOZ literals
132	U-T-U-TJ		van	01 00 00 00	140 Action				intoraio

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										Allow <expr> to be unallocated if <variable> is</variable></expr>
193	04-353r1		Van	02 08 03 00	No Action					allocatable in intrinsic assignment
194	sorted by Priority ABC then Paper									