Fortran 2000 Workplan

J3 standing document J3/98-010
as of March 1998, after J3 meeting 144

The base for Fortran 2000 is Fortran 95. J3 will integrate the material from the following "R" and "T" items (and any "M"and "B" items that are finished in time) into the Fortran 95 standard to prepare the Fortran 2000 draft standard; J3 will deliver this draft document to WG5 in early 2000.

Firm Requirements being developed by J3		specs	syntax	edits	latest document	champion
R.1	Derived-Type Input/Output				98-134r2	R. Bleikamp
R.2	Asynchronous Input/Output				97-262	R. Bleikamp
R.3	Procedure Pointers				98-121r1	V. Snyder
R.4	Interval Arithmetic Enabling Technologies				97-199	B. Kearfott
	a. Flexible Optimization Control	**May'98**	Aug'98	Nov'98	97-263	
	b. Additions to Character Set		**May'98**	Aug'98	98-119r1	T. Warnock
	c. Control of Operation Rounding	**May'98**	Aug'98	Nov'98	98-126r1	
	d. Control of I/O Rounding		**May'98**	Nov'98	98-111r2	B. Kearfott
	e. Specified Operator Precedence	**May'98**	Aug'98	Nov'98		
	f. Constants for Opaque Types	**May'98**	Aug'98	Nov'98	98-113	B. Kearfott
	g. Unanticipated Needs					
R.5	Parameterized Derived Types			**May'98**	98-122r1	R. Maine
R.6	**a.** Inheritance			**May'98**	97-196r2	M. Cohen
	b. Polymorphism		**May'98**	Aug'98	97-230r1	M. Cohen
R.7	Constructors/Destructors		**May'98**	Aug'98	97-256	K. Hirchert
R.8	Internationalization	**May'98**	Aug'98	Nov'98	97-146	S. Whitlock
R.9	Interoperability with C		**May'98**	Aug'98	98-132r1	H. Zongaro
Minor Technical Enhancements (MTE) optional - those finished by February 1999 will be included in Fortran 2000						
M.1	Increased Statement Length				97-236	S. Whitlock
M.2	Intent for Pointer Arguments				97-204r1	R. Maine
M.3	Generic RATE_COUNT in SYSTEM_CLOCK				97-160r1	C. Dedo
M.4	Specifying Pointer Lower Bounds				97-205	J. Martin
M.5	Extend MAX/MIN Intrinsics to CHARACTER				97-249r1	L. Meissner
M.6	Extended Initialization Expressions				97-250r2	L. Meissner
M.7	Lower-Case Syntax Elements				97-161r2	C. Dedo

M.10	Named Scratch Files				97-193r1	C. Dedo
M.15	Renaming Defined Operators	**May'98**	Aug'98	Nov'98	WG5#41	S. Whitlock
M.16	Derived-Type Assignment Fix		**May'98**	Aug'98	97-197	M. Cohen
M.17	Enhanced Complex Constants				98-131r1	S. Whitlock
M.18	Command-line Arguments and Environment Variables					R. Bleikamp
	a. Command-line Arguments				98-135r1	
	b. Environment Variables	**May'98**	Aug'98	Nov'98		
M.19	VOLATILE attribute			**May'98**	98-112r2	S. Whitlock
M.20	Allow PUBLIC Entities of PRIVATE Type				98-123	R. Maine
MTE candidates approved by WG5 lowest priority - if it has time, J3 may process some of these as MTE items						
B.3	PUBLIC and PRIVATE Derived-Type Components				97-124	
B.4	Stream Input/Output				WG5#63	
B.6	Access to Status Error Messages				97-159	
B.7	IEEE I/O Rounding Inquiry Intrinsics				97-126	
Technical Reports Fortran 2000 requirements prepared and published by development bodies other than J3						
T.1	Floating Point Exception Handling				N1281	J. Reid
T.3	Allocatable Structure Components				N1282	M. Cohen
Draft Fortran 2000 Standard (reflects only the above R and M items for which the edits have been completed)						

Document links point to plain text document formats, where available, and to pdf or postscript formats otherwise. Many of the documents are available in various formats from the J3 document repository.

Questions and suggestions regarding specific items may be addressed to the respective "champions". Questions about and corrections to this workplan may be addressed to the J3 chair.

Separate, Optional Parts of the Fortran Family of Standards (separate standards; not incorporated into Fortran 2000)	**status**
Varying String Data Type Functionality defined; possible derived-type/module implementation provided.	**standard** approved
Conditional Compilation A Fortran-like facility that provides the conditional compilation functionality of *cpp*, but not the other forms of preprocessing.	**draft** in process