Fortran 2000 Workplan

J3 standing document J3/97-010
as of 31 May 1997, after J3 meeting 141

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	96-177	**Aug'97**	Feb'98	97-184	R. Bleikamp
R.2	Asynchronous Input/Output		96-158r2	**Aug'97**	97-185	R. Bleikamp
R.3	Procedure Pointers	96-146	**Aug'97**	Feb'98	97-174r1	R. Maine
R.4	Interval Arithmetic	**Aug'97**	Feb'98	Aug'98	97-105	B. Kearfott
R.5	Parameterized Derived Types		97-104r1	**Aug'97**	97-104r2	K. Hirchert
R.6	Inheritance/Polymorphism	97-183r2	Nov'97	May'98	97-183r2	M. Cohen
R.7	Constructors/Destructors	**Aug'97**	Feb'98	Aug'98	WG5#89	K. Hirchert
R.8	Internationalization	Nov'97	May'98	Nov'98	97-146	S. Whitlock
Miscellaneous Technical Enhancements (MTE) optional - those finished by February 1999 will be included in Fortran 2000						
M.1	Increased Statement Length		96-138	**Aug'97**	96-138	L. Rolison
M.2	Intent for Pointer Arguments		96-098r1	**Aug'97**	96-098r1	R. Maine
M.3	Generic RATE_COUNT in SYSTEM_CLOCK			97-160r1	97-160r1	C. Dedo
M.4	Specifying Pointer Lower Bounds			96-154	96-154	J. Martin
M.5	Extend MAX/MIN Intrinsics to CHARACTER			**97-156r1**	97-156r1	L. Meissner
M.6	Extended Initialization Expressions	**Aug'97**	Nov'97	May'98	97-157	L. Meissner
M.7	Lower-Case Syntax Elements			97-161r2	97-161r2	C. Dedo
M.10	Named Scratch Files		96-169r2	**Aug'97**	97-162r2	C. Dedo
M.15	Renaming Defined Operators	**Aug'97**	Nov'97	Feb'98	WG5#41	S. Whitlock
M.16	Derived-Type Assignment Fix	97-145	**Aug'97**	Nov'97	97-145	M. Cohen
M.17	Enhanced Complex Constants	**Aug'97**	Nov'97	Feb'98	96-131r1	L. Rolison
MTE candidates approved by WG5 lowest priority - if it has time, J3 may process some of these as MTE items						
B.1	VOLATILE attribute				97-129r1	
B.2	Allow PUBLIC Entities of PRIVATE Type				WG5#75	
B.3	PUBLIC and PRIVATE Derived-Type Components				97-124	
B.4	Stream Input/Output				WG5#63	

B.5	Command Line Arguments	97-163	
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	N1274	J. Reid
T.2	Interoperability with C	N1277	M. Hennecke
T.3	Allocatable Structure Components	N1275	M. Cohen

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, J. Wagener.

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.

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

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