

Fortran 2000 Workplan

J3 standing document J3/97-010
as of 19 August 1997, after J3 meeting 142

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			Feb'98	97-217r1	R. Bleikamp
R.2	Asynchronous Input/Output				97-216r2	R. Bleikamp
R.3	Procedure Pointers			Feb'98	97-218r2	V. Snyder
R.4	Interval Arithmetic (<i>on hold</i> - see 97-228)				97-199	B. Kearfott
R.5	Parameterized Derived Types			Nov'97	97-104r2	K. Hirschert
R.6	a. Inheritance			Feb'98	97-196r2	M. Cohen
	b. Polymorphism			Feb'98	97-230r1	M. Cohen
R.7	Constructors/Destructors		Feb'98	Aug'98	97-209r1	K. Hirschert
R.8	Internationalization	Nov'97	May'98	Nov'98	97-146	S. Whitlock
R.9	Interoperability with C	Nov'97	May'98	Nov'98	97-154	L. Rolison
Minor Technical Enhancements (MTE) optional - those finished by February 1999 will be included in Fortran 2000						
M.1	Increased Statement Length			Nov'97	96-138	L. Rolison
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 Ininsics to CHARACTER				97-207	L. Meissner
M.6	Extended Initialization Expressions	Nov'97	Feb'98	May'98	97-208r1	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	Nov'97	Feb'98	May'98	WG5#41	S. Whitlock
M.16	Derived-Type Assignment Fix		Nov'97	Feb'98	97-197r1	M. Cohen
M.17	Enhanced Complex Constants	Nov'97	Feb'98	May'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	N1281	J. Reid
T.2	Interoperability with C (to be discontinued - see R.9)	N1277	M. Hennecke
T.3	Allocatable Structure Components	N1282	M. Cohen
Editorial Improvements			
provided by the editor and approved by J3			
		97-202r1	R. Maine

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.	<u>standard</u> approved
Conditional Compilation A Fortran-like facility that provides the conditional compilation functionality of <i>cpp</i> , but not the other forms of preprocessing.	<u>draft</u> in process