

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

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	<u>N1281</u> <u>J. Reid</u>
T.2	Interoperability with C	<u>N1277</u> <u>M. Hennecke</u>
T.3	Allocatable Structure Components	<u>N1282</u> <u>M. Cohen</u>

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 <i>cpp</i> , but not the other forms of preprocessing.	draft in process

<http://www.ionet.net/~jwagener/j3/97-010.html>