To: J3
From: Tony Warnock
Subject: Fortran 2000 Status Report

Fortran 2000 Workplan Status Report

The base for Fortran 2000 is Fortran 95. J3 will integate the material 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.

	Item		Champion
Requirements			
R1	Derived-Type I/O		R.Bleikamp
	Specs: 98-189r1	Syntax: 98-189r1	Edits: 98-189r1
R2	Asynchronous I/O		R.Bleikamp
	Specs:	Syntax:	Edits: 97-262
R3	Procedure Pointers		V.Snyder
	Specs:	Syntax: 97-218r2	Edits: 98-121r1
R4	Interval Arithmetic Enabling Technologies		B.Kearfott
	Specs: 97-199	Syntax:	Edits:
b	Additions to Character Set		T.Warnock
	Specs:	Syntax:	Edits: 98-119r1
d	Control of I/O Rounding		D.Hendrickson
	Specs: 98-111r2	Syntax: 97-144	Edits: 98-190r1
f	Constants for Opaque Types		B.Kearfott
	Specs: 98-113	Syntax:	Edits:
R5	Parameterized Derived Types		R.Maine
	Specs:	Syntax:	Edits: 98-122r1
R6	Object Oriented Technologies		
a	Inheritance		M.Cohen
	Specs:	Syntax:	Edits: 97-196r2
b	Polymorphism		M.Cohen
	Specs: 97-230r1	Syntax:	Edits: 98-201

R7	Constructors/Destructors		K.Hirchert
	Specs:	Syntax:	Edits: 97-256
R8	Internationalization		S.Whitlock
	Specs: 98-199r1	Syntax: 98-199r1	Edits: 98-199r1
R9	Interoperability with C		H.Zongaro
	Specs: 98-165r1	Syntax: 98-195r2	Edits:

Minor Technical Enhancements

M1	Increased Statement Length		S.Whitlock
	Specs:	Syntax:	Edits: 97-236
M2	Intent for Pointer Arguments		R.Maine
	Specs: 97-240r1	Syntax:	Edits:
M3	Generic RATE_COUNT in SYSTEM CLOCK		C.Dedo
	Specs: 97-160r1	Syntax:	Edits:
M4	Specifying Pointer Lower Bounds		J.Martin
	Specs: 97-205	Syntax:	Edits:
M5	Extemd MAX/MIN Intrinsics to CHARACTER		L.Meissner
	Specs: 97-249r1	Syntax:	Edits:
M6	Extended Initialization Expressions		L.Meissner
	Specs: 97-250r2	Syntax:	Edits:
M7	Lower Case Syntax Elements		C.Dedo
	Specs: 97-161r2	Syntax:	Edits:
M10	Named Scratch Files		C.Dedo
	Specs: 97-193r1	Syntax:	Edits: 98-197
M15	Renaming Defined Operators		D.Hendrickson
	Specs: 98-158	Syntax:	Edits:
M16	Derived-Type Assignment Fix		M.Cohen
	Specs:	Syntax:	Edits: 97-197
M17	Enhanced Complex Constants		S.Whitlock
	Specs: 98-131r1	Syntax:	Edits:

M18 Command Line Arguments and Environment Variables

a Command-Line Arguments — R.Bleikamp
Specs: | Syntax: | Edits: 98-135r2

b Environment Variables — R.Bleikamp
Specs: 98-163 | Syntax: | Edits:

M19 VOLATILE Attribute — S.Whitlock
Specs: 98-191r1 | Syntax: 98-191r1 | Edits: 191r1

M20 Allow PUBLIC Entities of PRIVATE Type — R.Maine
Specs: 98-123 | Syntax: | Edits:

M21 Flexible Optimization Control
Specs: 97-263 | Syntax: | Edits:

M22 Control of Operation Rounding
Specs: 98-126r1 | Syntax: | Edits:

M23 Access to Status Error Messages — V.Snyder
Specs: 98-173 | Syntax: | Edits:

M24 Mixed PUBLIC and PRIVATE Type Components — R.Maine
Specs: 98-198 | Syntax: 98-198 | Edits:

Minor Technical Enhancements of Lesser Importance

B4 Stream I/O
Specs: WG5#63 | Syntax: | Edits:

Technical Reports from Bodies other than J3

T1 Floating Point Exception Handling — J.Reid
Specs: N1281 | Syntax: | Edits:

T3 Allocatable Structure Components — M.Cohen
Specs: N1282 | Syntax: | Edits:

Optional Parts of the Fortran Family of Standards

Varying String Data Type — Standard/Approved
Functionality defined; possible derived-type/module implementation provided.

Conditional Compilation — draft in progress
A Fortran-like facility that provides the conditional compilation functionality of CPP, but not the other forms of preprocessing.