Initial Fortran 2000 Requirements

The following requirements for Fortran 2000 are organized into two categories: (A) those items identified for processing as technical reports by specialized development bodies other than the primary development body and (B) items assigned to the primary development body; the B list is in priority order. WG5 requests that the primary development body review those items in category B and provide WG5 with the results of that review no later than mid-June 1996.

A. Requirements assigned to specialized development bodies
   A.1 Floating point exception handling - procedure approach (N1130)
   A.2 Interoperability with C (N1131)
   A.3 Allocatable components, dummy arguments, and function results (N1132, as modified in Nov’95)
   A.4 Parameterized Derived Types - pending July’96 review (N1132)

B. Requirements assigned to the primary development body
   B.1 Minor Technical Enhancements (N1144-45)
   B.2 Derived-type Input/Output (N1144-17)
   B.3 Condition Handling (N1144-5)
   B.4 Pointers to Procedures (N1144-43)
   B.5 Asynchronous I/O (proposed HPFF work) (N1144-52)
   B.6 Command Line Arguments (N1144-20)
   B.7 Specifying Default Precisions (N1144-49)
   B.8 Object Oriented Fortran (N1144-18)
   B.9 Remove Limitation on Statement Length (N1144-50)
   B.10 Private and Shared Data in Parallel Processes (N1144-53)
   B.11 Processor Dependent Features List (N1144-51)
   B.12 Allow INTENT for POINTER arguments (N1144-44a)
   B.13 POSIX Binding to Fortran 90 (N1144-47)
   B.14 Nesting of Internal Procedures (N1144-33)
   B.15 Bit Data Type - String (N1144-21)
   B.16 Varying Length Characters with Declared Maximum (N1144-34)
   B.17 Unsigned INTEGER Data Type (N1144-37)
   B.18 >7 Array Dimensions (N1144-24)
   B.19 Renaming Defined Operators (N1144-41)
   B.20 Variable Repeat Specifiers in FORMATs (N1144-48)
   B.21 Compiler Directives (N1144-19)
   B.22 Handling of Pointer Arguments (N1144-44)
   B.23 Internal Procedures as Actual Arguments (N1144-42)
   B.24 Packaging Implementer Intrinsics in Modules (N1144-46)