Subject: Issues 208, 221 and related issues in the Introduction
From: Van Snyder

1   Introduction

Issues 208 and 221 remark that the introduction is incomplete, and that discussions of new features of Fortran 2000 are misplaced.

2   Edits

Edits refer to 00-007r3. Page and line numbers are displayed in the margin. Absent other instructions, a page and line number or line number range implies all of the indicated text is to be replaced by immediately following text, while a page and line number followed by + (-) indicates that immediately following text is to be inserted after (before) the indicated line. Remarks for the editor are noted in the margin, or appear between [and] in the text.

(1) Derived types: parameterized derived types, user-defined derived-type input/output,   xiv:10-16
mixed component accessibility, public entities of private types, ASSOCIATE construct
(similar to the WITH construct in Pascal), generalized constructors, finalizers;

(2) Object-oriented programming: extensible types, inheritance, overriding, polymorphism,
type-bound procedures;

(3) Data: dynamic type allocation, VOLATILE attribute, explicit type specification in array constructors, INTENT specification for pointer arguments, specifying pointer lower bounds in pointer assignments, extended initialization expressions, MIN and MAX intrinsic functions for character type, enhanced complex constants;

(4) Input/output: asynchronous and stream input/output, user-defined derived-type input/output, status error messages, rounding during format conversion, named scratch files, named constants for standard-defined units and statuses;

(5) Procedures, interfaces and modules: procedure pointers, abstract interfaces, control of host association into interface bodies, renaming defined operators;

(6) IEEE arithmetic, and exception detection and control;

(7) Interoperability with the C programming language;

(8) Support for cultural adaptability;

(9) Miscellaneous issues: command line arguments, environment variables, increased statement length, lower-case syntax elements, generic RATE_COUNT in SYSTEM_CLOCK.

[Editor: "New ... are" ⇒ "This includes discussion of".]   xv:12

[Editor: after "procedures" insert ", inheritance"; "overloading" ⇒ "overriding"; before "the"   xv:14
insert "finalization procedures,".]

[Editor: delete unresolved issue note 208.] xv:17-22

[Editor: "and the" $\Rightarrow$ "the"; ". New ... are" $\Rightarrow$ ", and".] xvi:17, 18

[Editor: "New ... interfaces" $\Rightarrow$ "Abstract interfaces and their use to describe procedure pointers and external procedures are described".] xvi:44-46

[Editor: before "This" insert "Controlling host association into interface bodies is described."] xvii:4

[Editor: delete unresolved issue 221 note.] xvii:8-10