Subject: Allow TYPE (*intrinsic-type-spec*)
From: Van Snyder
Reference: 03-258r1, section 2.2.1, 04-161

1 Number

TBD

2 Title

Allow TYPE (*intrinsic-type-spec*).

3 Submitted By

J3

4 Status

For consideration.

5 Basic Functionality

Allow TYPE (*intrinsic-type-spec*).

6 Rationale

For regularity and symmetry, allow TYPE (*intrinsic-type-spec*). If a proposal for a generic programming facility — such as the one entitled "Parameterized module facility" — advances, and parameters are permitted to be types, it will be necessary to allow this, at least indirectly.

7 Estimated Impact

Trivial. Estimated at meeting 169 to be at 3 on the JKR scale.

8 Detailed Specification

Allow TYPE (*intrinsic-type-spec*) to declare entities of intrinsic type.

8.1 Suggested edits

The following suggested edits illustrate the magnitude of the project.

[Editor: Replace R502 by] 71:9-12

R502 *declaration-type-spec* **is** *intrinsic-type-spec*
or TYPE (*intrinsic-type-spec*)
or TYPE (*derived-type-spec*)
or CLASS (*derived-type-spec*)
or CLASS (*)

[The only difference to the existing definition of R502 is the addition of the second right-hand side.]

[Editor: After "specifier" insert "that specifies *derived-type-spec*". Add another sentence at the end of the paragraph:] 75:7

A TYPE specifier that specifies *intrinsic-type-spec* is used to declare entities of intrinsic type.

9 History