

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

## 1 Number

2 TBD

## 3 Title

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

## 5 Submitted By

6 J3

## 7 Status

8 For consideration.

## 9 Basic Functionality

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

## 11 Rationale

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

## 15 Estimated Impact

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

## 17 Detailed Specification

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

### 19 8.1 Suggested edits

20 The following suggested edits illustrate the magnitude of the project.

21 [Editor: Replace R502 by]

71:9-12

22	R502	<i>declaration-type-spec</i>	<b>is</b>	<i>intrinsic-type-spec</i>
23			<b>or</b>	TYPE ( <i>intrinsic-type-spec</i> )
24			<b>or</b>	TYPE ( <i>derived-type-spec</i> )
25			<b>or</b>	CLASS ( <i>derived-type-spec</i> )
26			<b>or</b>	CLASS ( * )

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

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

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

## 31 9 History