

Subject: Allow a USE statement inside of a type definition  
From: Van Snyder  
Reference: 03-258r1, section 2.14.4

1 **Number**

2 TBD

3 **Title**

4 Allow a USE statement inside of a type definition.

5 **Submitted By**

6 J3

7 **Status**

8 For consideration.

9 **Basic Functionality**

10 Allow a USE statement inside of a type definition.

11 **Rationale**

12 One occasionally needs to reference something gotten by use association from inside of a type definition.  
13 In Fortran 95 the only possibility is a named constant, but in Fortran 2003 it will also make sense to want  
14 to access procedures. If the type definition is at module scope, then the USE is too. When processing  
15 module information, many processors read the module information for any USEs encountered at module  
16 scope, instead of putting that information in the using module's module information file (which would  
17 have the potential to cause enormous module information files). But they don't usually read module  
18 information for modules accessed by USE statements that aren't at module scope. So if we could put a  
19 USE statement inside of the type definition, we could potentially speed up some compiles.

20 **Estimated Impact**

21 Minor.

22 **Detailed Specification**

23 Allow a USE statement inside of a type definition.

24 **History**