

Subject: Provide a specification that there are no implicitly EXTERNAL procedures
From: Van Snyder
Reference: 03-258r1, section 2.4.1

1 **Number**

2 TBD

3 **Title**

4 **Submitted By**

5 J3

6 **Status**

7 For consideration.

8 **Basic Functionality**

9 Provide a specification that there are no implicitly EXTERNAL procedures.

10 **Rationale**

11 If one wishes to construct a program entirely from module procedures, it would be useful if the processor
12 could be instructed to announce an error if there is a reference to a procedure that is not a module
13 procedure, not an intrinsic procedure, and has not explicitly been given the external attribute.

14 **Estimated Impact**

15 Minor. A simple statement described in Section 12, or maybe something on the IMPLICIT statement.

16 **Detailed Specification**

17 Add a specification that there are no implicitly EXTERNAL procedures. One way to do this is to add
18 a specification to the IMPLICIT statement, say NOEXTERNAL, to indicate that no procedure is to
19 be given the EXTERNAL attribute implicitly. I understand that some processors have an extension
20 to allow an UNDEFINED specification to the IMPLICIT statement, to indicate both the effect of the
21 NONE specification, and the NOEXTERNAL specification advocated here.

22 **History**