Subject: Make SUBROUTINE *name* optional on END statements for module subprograms
From: Van Snyder
Reference: 03-258r1, section 2.4.2 and 03-007r2

1 Number

2 TBD

3 Title

4 Allow SUBROUTINE *name* or FUNCTION *name* to be optional on END statements for module sub-
5 programs.

6 Submitted By

7 J3

8 Status

9 For consideration.

10 Basic Functionality

11 Allow SUBROUTINE *name* or FUNCTION *name* to be optional on END statements for module sub-
12 programs.

13 Rationale

14 Module procedures are required to end with `end subroutine `*`name`* or `end function `*`name`*. This is
15 generally a good thing, but it makes it impossible to convert a FORTRAN 77 external procedure to a
16 module procedure by using `include`.

17 Estimated Impact

18 Trivial. Delete "or module function" from C1243 and "or module subroutine" from C1248.

19 Detailed Specification

20 To cater for the desire that an external procedure could be made into a module procedure using `include`,
21 allow the `subroutine `*`name`* or `function `*`name`* part to be optional on an *end-subroutine* or *end-function*
22 statement.
23 Delete "or module function" from C1243 and "or module subroutine" from C1248.

24 History