Subject: Optional SUBROUTINE *name* on END statements for module and internal subprograms
From: Van Snyder

1 Number

2 TBD

3 Title

4 Allow SUBROUTINE *name* or FUNCTION *name* to be optional on END statements for module and
5 internal subprograms.

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

20 Detailed Specification

21 To cater for the desire that a Fortran 77 external procedure could be made into a module procedure
22 using `include`, allow the `subroutine name` or `function name` part to be optional on an *end-subroutine*
23 or *end-function* statement. For consistency, allow them to be optional for internal subprograms as well.

24 History

03-258r1, section 2.4.2 m166
04-177   m167