

Subject: Optional SUBROUTINE *name* on END statements for module and internal subprograms
From: Van Snyder
References: J3-025, 03-258r1, section 2.4.2, 04-177, 04-396r1

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 C1243 and C1248. Estimated at meeting 169 to be at 3 on the JKR scale.

19 **Detailed Specification**

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

23 **Suggested Edits**

24 The following suggested edits are provided to illustrate the magnitude of the project.

25 [Editor: Delete C1243.] 280:11

26 [Editor: Delete C1248.] 282:14-15

27 **History**

03-258r1, section 2.4.2 m166
04-177 m167
04-396r1 m170