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

Number

TBD

Title

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

Submitted By

J3

Status

For consideration.

Basic Functionality

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

Rationale

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

Estimated Impact

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

Detailed Specification

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

Suggested Edits

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

[Editor: Delete C1243.] 280:11

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

History

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