Subject: Comments on Section 5, Unresolved issue 348
From: Van Snyder
References: 02-133

1 Edits

Edits refer to 02-007. Page and line numbers are displayed in the margin. Absent other instructions, a page and line number or line number range implies all of the indicated text is to be replaced by associated text, while a page and line number followed by + (-) indicates that associated text is to be inserted after (before) the indicated line. Remarks are noted in the margin, or appear between [and] in the text.

[From 02-133. Editor: Insert "or ALLOCATABLE" after "POINTER".] 68:15

[Editor: there are extra spaces due to consecutive index entries after the word "The" at lines 6, 10, 14, 18 and 23.] 69:6-23

[Editor: there are extra spaces due to consecutive index entries after the word "The".] 71:3

[From 02-133. Editor: there are extra spaces due to consecutive index entries before the word TYPE.] 71:7

[Editor: The extra spaces before PRIVATE and PUBLIC probably result because the two consecutive index entries have a blank between them. Try taking out the blank. Also, maybe use `\mindex*` instead of stating the text and indexing it separately with `\mindex`.] 72:9-11

[The "specified in a module or accessible in a module by USE association" phrase is in the wrong place. It needs to apply to "Identifiers without an explicitly specified *access-spec*...." Otherwise that sentence could apply to any identifier anywhere. Need to make it apply only to entities declared in the scoping unit of the module, or accessible there by use association.] 72:9-12

Identifiers that are specified in a module or accessible in that module by use association have either the PUBLIC or PRIVATE attribute. Identifiers for which an *access-spec* is not explicitly specified in that module have the default accessibility attribute for that module. The default accessibility attribute for a module is PUBLIC unless it has been changed by a PRIVATE statement (5.2.1). Only identifiers that have the PUBLIC attribute in that module are available to be accessed from that module by USE association.

[Editor: Replace unresolved issue note 348:] 72:13+

NOTE 5.7$\frac{1}{2}$

In order for an identifier to be accessed by use association, it must have the PUBLIC attribute in the module from which it is accessed. It can nonetheless have the PRIVATE attribute in a module in which it is accessed by use association, and therefore not be available for use association from a module where it is PRIVATE.

[Editor: "or ... (12.3.2.2)" ⇒ "a procedure pointer, or a block data subprogram. This attribute may be specified for any of these entities by an EXTERNAL statement (12.3.2.2). It may also be specified for any of these entities other than a block data subprogram by a type declaration statement".] 76:28-30

[The syntax terms *function-name* and *subroutine-name* are no longer used in the syntax rules for *function-reference* or *call-stmt*. The term *procedure-name* (which includes procedure pointers) is 76:32-33

used instead. The possibility that a *proc-target* might get the EXTERNAL attribute implicitly is overlooked. Editor: "*function-name* ... *call-stmt*" ⇒ "*procedure-name* in a *function-reference* or *call-stmt*".]

[Editor: "This statement" ⇒ 87:3
"The `\mindex{statements!PROTECTED}\tdef{PROTECTED statement}`",
i.e., name it (instead of saying "this"), make it bold, and put it in the index two ways. This replaces the two index entries at lines 1692-1693 of `c05.tex`. Compare to line 1150 of `c05.tex`.]