

Subject: Edits to use PRESENT instead of APPEAR in specifier descriptions
 From: Van Snyder
 Reference: 03-258r1, section 2.4.3.4; 04-180

1 Introduction

Description of optional specifiers in input/output statements, ALLOCATE statements, and DEALLOCATE statements should use “optional” instead of “appear.” This would allow the values of their specifiers to be given by optional dummy arguments, rather than needing a 2^n -way IF construct to provide for n optional specifiers. Similar reasoning applies for the *component-data-source* that corresponds to a component with default initialization in a structure constructor.

2 Edits

Edits refer to 04-007. 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.

2.5.2 $\frac{1}{2}$ Specifier

19:22-

The term **specifier** is used in three ways. In each case, a specifier is of the form *name* = *expr* or *name* = *variable*. The possible *names* that may appear in each context where a specifier is permitted are specified by this Standard.

- (1) It is used to describe an optional part of an ALLOCATE statement.
- (2) It is used to describe an optional part of a DEALLOCATE statement.
- (3) It is used to describe an optional part of an input/output statement, or as an optional form of a required part of an input/output statement.

A specifier is considered to be absent if it does not appear, or if the *variable* or *expr* is absent (12.4.1.6). Otherwise it is considered to be present.

[“In ... keyword” ⇒ “If a component keyword does not appear” because “absent” has a precise meaning that’s not germane in this sentence.] 64:6

[After “appears” insert “and the *component-data-source* is not absent (12.4.1.6)”.] 64:7

[Before “For” insert “If a component does not have default initialization, the *component-data-source* shall not be absent.”] 64:8

[After “*component-data-source*” insert “or the *component-data-source* is absent (12.4.1.6)”.] 64:14

[Replace “appears” by “is present” at the following places:

112:11 114:20 181:8 206:19]

[“that does not contain the STAT= specifier” ⇒ “in which the STAT= specifier is absent”.] 112:18:19

[Insert “in which the ERRMSG= specifier is present” after “statement”.] 113:37

[“that does not contain the STAT= specifier” ⇒ “in which the STAT= specifier is absent”.] 114:26-27

[“not included” ⇒ “absent”.] 180:32

[“without a STATUS= specifier” ⇒ “in which a STATUS= specifier is absent”.] 181:4

[“included” ⇒ “present”.] 181:9

[Replace “appear” by “be present” at the following places:

181:47 182:2 184:13 190:28 191:6]

1	[Replace “not appear” by “be absent” at the following places:	
2	182:1 184:12 191:7]	
3	[Replace “omitted” by “absent” at the following places:	
	182:11 182:18 182:26 182:31 183:5 183:10 183:18 183:23 183:29 183:37	
	184:7 184:13 184:25 184:31 185:3 186:7 189:9 190:6 190:9 190:14	
4	190:25 191:16 191:20 206:20]	
5	[Replace “is ... connection” by “shall be absent unless the connection is” at the following places:	
6	182:28-29 183:2-3 183:8 183:13-14 183:34-35 184:23 184:29]	
7	[“specified with” ⇒ “present and have”.]	183:23
8	[“connection ... stream” ⇒ “POSITION= specifier shall be absent if the connection is for direct”.]	184:2
9	[“containing an ID= specifier” ⇒ “in which an ID= specifier is present”.]	190:16
10	[“containing an ID= specifier” ⇒ “in which an ID= specifier is present”.]	190:20
11	[“the ... specifier” ⇒ “if the SIZE= specifier is present the variable”.]	191:22-23
12	[Insert “A property is inquired if and only if the appropriate specifier is present.” before “All”.]	209:29
13	[“containing ... specifier” ⇒ “in which an IOSTAT= specifier is present”.]	218:22
14	[Insert “in which an IOMSG= specifier is present” after “statement”.]	219:2