

**Issue 308 - Oddities for PAD= in INQUIRE**

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2 To: J3  
3 From: Craig Dedo  
4 Date: January 4, 2001  
5 Subject: Issue 308 - Oddities for PAD= in INQUIRE

**Issue**

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7 Paper 00-323r3 deleted all mention of what the PAD=specifier in INQUIRE does if there is no  
8 connection or if the connection is not for formatted I/O. This seems unwise. I crafted words to  
9 restate the previously specified behavior. But this made me notice that the previous specification  
10 was...unusual. The "YES" above is not a typo; that's what the previous spec reduced to. I'd do the  
11 "obvious" fix for consistency except that this would be an incompatibility with f95. This may  
12 deserve an interp unless I'm more confused than usual, which is possible.

**Analysis**

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14 I consider this situation to be an oversight. An examination of the normative text of the Fortran  
15 90 and Fortran 95 standards shows that the PAD= specifier for the INQUIRE statement only  
16 returned either YES or NO ([1] 9.6.1.22; [2] 9.6.1.22). The normative text for this section in F95 is  
17 unchanged from F90.

18 We should correct this oversight in the same way that similar situations are treated with the  
19 other I/O specifiers. If there is no connection or if the connection is not for formatted input/output,  
20 the PAD= variable is assigned the value UNDEFINED.

21 If there is any significant disagreement, we can have a straw vote on this proposed fix.

22 Whether or not to make the same fix for Fortran 95 is a separate issue and should be addressed  
23 through the interpretation process.

24 The same problem exists for the ASYNCHRONOUS specifier in the INQUIRE statement so that  
25 gets fixed too.

**Edits**

26 Edits are with respect to the 01-007.

27 [201:30] Replace "YES" with "UNDEFINED".

28 [201:31-39] Delete J3 internal note.

29 [202:27] Add the following sentence at the end of the paragraph:

30 If there is no connection, the *scalar-default-char-variable* is assigned the value UNDEFINED.

31 [439:29] Change the entry in the table to:

PAD=	UNDEFINED	YES or NO	UNDEFINED
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**References**

- 32  
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34 [1] ISO/IEC 1539:1991, International Standard Fortran 90  
35 [2] ISO/IEC 1539:1997-1, International Standard Fortran 95 - Base Language  
36 [3] 01-007, Fortran 2000 Draft  
37 [4] 01-102, Changes to List of Unresolved Issues  
38 [End of J3 / 01-111r1]  
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