

Issue 308 - PAD= Specifier in the INQUIRE Statement

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2 To: J3
3 From: Craig Dedo
4 Date: June 4, 2001
5 Subject: Issue 308 - PAD= Specifier in the INQUIRE Statement

6 Issue

7 The editor writes:
8 The above-specified UNDEFINED value for PAD= needs an F95 interp and an entry in 1.5.1 or
9 1.5.2.

10 Analysis

11 We almost resolved this issue at meeting 156. Paper 01-111r3 made the fix to the INQUIRE
12 statement's PAD= specifier and changed the entire content of Issue 308 through a floor amendment.
13 Paper 01-172 proposed Interpretation 92, which makes the same fix as 01-111r3 in Fortran 95.
14 Both papers passed unanimously. The J3 ballot on Interpretation 92 just closed.

15 We ought to insert the same incompatibility language that is in Interpretation 92 into either
16 1.5.1 or 1.5.2 so that we can get rid of this issue once and for all. Since we do not know whether
17 Interpretation 92 will get into a Fortran 95 corrigendum, it is a toss-up whether we should put this
18 language into 1.5.1 or 1.5.2. Therefore, we should choose one of those sections and authorize the
19 editor to transfer this language to the other section on his own initiative if we guess wrong on the
20 fate of Interpretation 92.

21 For the purposes of making a placement decision, I will assume that Interpretation 92 will *not*
22 get into a Fortran 95 corrigendum. Therefore, I propose that we place the incompatibility language
23 into section 1.5.1 and have J3 authorize the editor to change the placement if necessary.

24 Edits

25 [3:23+] Add the following paragraph to section 1.5.1, "Fortran 95 compatibility":
26 The PAD= specifier in the INQUIRE statement in this standard returns the value 'UNDEFINED' if
27 there is no connection or the connection is for unformatted input/output. The previous standard
28 specified 'YES'.

29 [204:11-14] Delete the J3 internal note.

30 References

31 01-007r1, Fortran 2000 Draft
32 01-111r3, Issue 308 - Oddities for PAD= in INQUIRE
33 01-172, Interpretation 92 - Values of the PAD= Specifier in the INQUIRE Statement
34 [End of J3 / 01-237r1]

