J3 / 03-103r2

INCITS / J3 ANSI Fortran Standards Committee   Craig T. Dedo
Replace IOSTAT_END and IOSTAT_EOR with Functions   April 1, 2003
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Replace IOSTAT_END and IOSTAT_EOR with Functions

To: J3
From: Craig Dedo
Subject: Replace IOSTAT_END and IOSTAT_EOR with Functions
Date: April 1, 2003

This paper addresses US comment 2.9.

Edits refer to 02-007r3.

[216:14]   Change "a processor-dependent" to "the processor-dependent".

[294:7+]   Add the following entries to the table in section 13.5.17:
     IS_IOSTAT_END (I)   Test for end-of-file condition
     IS_IOSTAT_EOR (I)   Test for end-of-record condition

[319:27+]   Add the following:
13.7.54a   IS_IOSTAT_END (I)
Description. Determine whether the argument value indicates an end-of-file condition.

Class. Elemental function

Argument. I shall be of type integer.

Result Characteristics. Default logical.

Result Value. The result has the value true if and only if I is a value that could be assigned to the *scalar-int-variable* in an IOSTAT= specifier to indicate an end-of-file condition (9.10.2).

13.7.54b   IS_IOSTAT_EOR (I)
Description. Determine whether the argument value indicates an end-of-record condition.

Class. Elemental function

Argument. I shall be of type integer.

Result Characteristics. Default logical.

Result Value. The result has the value true if and only if I is a value that could be assigned to the *scalar-int-variable* in an IOSTAT= specifier to indicate an end-of-record condition (9.10.3).

[451:32]   Change "the value . . . module" to "a value that would cause the result value of the
     IS_IOSTAT_EOR intrinsic function (13.7.54b) to be true".]

References
02-007r3, Fortran 2000 Draft

[End of J3 / 03-103r2]