Replace IOSTAT_END and IOSTAT_EOR with Functions

To: J3
From: Craig Dedo
Subject: Replace IOSTAT_END and IOSTAT_EOR with Functions
Date: April 2, 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 would 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 would be assigned to the *scalar-int-variable* in an IOSTAT= specifier to indicate an end-of-record condition (9.10.3).

References
02-007r3, Fortran 2000 Draft

[End of J3 / 03-103r3]