Date: 21 March 1999
To: J3
From: Van Snyder
Subject: Two more parameters to put in the ISO_FORTRAN_ENV module

1 Background

It is at present difficult to determine the IOSTAT values that signal end-of-file and end-of-record. It would be useful if these values were available from the ISO_FORTRAN_ENV module.

2 Specifications

Provide two scalar parameters of default integer type from the intrinsic module ISO_FORTRAN_ENV: END_IOSTAT and EOR_IOSTAT.

3 Edits

Edits refer to 99-007r1. 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 immediately following text, while a page and line number followed by + indicates that immediately following text is to be inserted after the indicated line. Remarks for the editor are noted in the margin, or appear between [and] in the text.

---

(3) With the value given by the END_IOSTAT parameter from the intrinsic module ISO_FORTRAN_ENV (13.17.2) if an end-of-file condition occurs and no error condition occurs, or 226:28-32

(4) With the value given by the EOR_IOSTAT parameter from the intrinsic module ISO_FORTRAN_ENV (13.17.2) if an end-of-record condition occurs and no error condition or end-of-file condition occurs.

[Editor: Insert a new section 13.17.2.] 360:34+

13.17.2: Standard values for input/output status

Two parameters giving processor-dependent values for end-of-file and end-of-record input/output status (9.9.1) shall be provided by the processor.

13.17.2.1 END_IOSTAT

The value of the default integer scalar parameter END_IOSTAT is assigned to the variable specified in an IOSTAT= specifier if an end-of-file condition occurs during execution of an input/output statement and no error condition occurs. This value shall be negative.

13.17.2.2 EOR_IOSTAT

The value of the default integer scalar parameter EOR_IOSTAT is assigned to the variable specified in an IOSTAT= specifier if an end-of-record condition occurs during execution of an input/output statement and no error or end-of-file condition occurs. This value shall be negative and different from the value of END_IOSTAT.