J3 / 03-167r2

INCITS / J3 ANSI Fortran Standards Committee   Craig T. Dedo
Replace ACHAR(10) with NEW_LINE Function   April 1, 2003
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Replace ACHAR(10) with NEW_LINE Function

To: J3
From: Craig Dedo
Date: April 2, 2003
Subject: Replace ACHAR(10) with NEW_LINE Function

This paper addresses UK MTC 6.

Edits
Edits refer to 02-007r3.

[230:6]   Change "is the" to "is a nonblank".

[230:7]   Change "reference ACHAR(10)" to "NEW_LINE".

[230:11+]   Change Note 10.16 to read:
Output field splitting by newline characters can occur only on those processors that support the
newline character in a formatted stream file.

[292:16+]   Add:
NEW_LINE (A)   Newline character

[333:17+]   Add:
13.7.81a   NEW_LINE (A)
Description. Returns a newline character.

Class. Inquiry function.

Argument.   A   shall be of type character. It may be a scalar or an array.

Result Characteristics. Character scalar of length one with the same kind type parameter as A.

Result Value.
Case (i):   If A is of the default character type, then the result is ACHAR(10).

Case (ii):   If A is of the ASCII character type or the ISO 10646 character type, then the result is
               CHAR(10,KIND(A)).

Case (iii): The result is a processor-dependent character that represents a newline in output to files
               connected for formatted stream output if there is one.

Case (iv):   Otherwise, the result is the blank character.

[382:9−]   Add a note after Table 15.1.
Note 15.2a
The value of NEW_LINE (C_NEW_LINE) is C_NEW_LINE (13.7.81a).

References
02-007r3, Fortran 2000 Committee Draft
02-290r2, Proposed Technical Changes
03-121r1, Edits for UK Comments MTC3 to MTC6 (Various I/O Fixes)
[End of J3 / 03-167r2]