When Default KIND Isn't Good Enough
Edits

To: J3
From: Craig Dedo
Date: December 14, 2000
Subject: When Default KIND Isn't Good Enough - Edits

Rationale

This paper provides edits for implementing the use of any integer KIND that is defined on the processor for the results of intrinsic procedures that return integer values and for the I/O specifiers that use integer values.

Edits

Edits are with respect to the 00-007r3.

Change *scalar-default-int-variable* to *scalar-int-variable* in the following places in chapter 9.
[175:7] [179:6] [180:16,21,24] [196:29,34] [197:42]
[199:23,37,42] [200:9-12,21] [201:9] [202:22,27,30,33,35,39]
[203:2] [205:22]

Statement of intent to the Editor. I think I got all of them. However, in case I missed something, you should interpret this paper as specifying, "Change *scalar-default-int-variable* to *scalar-int-variable* everywhere in chapter 9.".

Following are the edits for the LEN function in chapter 13.
[314:19] Add "[, KIND]" immediately before ")".

[314:22] Change "Argument" to "Arguments".

[314:23+] Add:
KIND (optional) shall be a scalar integer initialization expression.

[314:24] Change the line to read:
Result Characteristics. Integer. If KIND is present, the kind type parameter is that specified by the value of KIND; otherwise, the kind type parameter is that of default integer type.

Please make the same changes for the following list of functions in chapter 13.

COUNT	LEN_TRIM	SCAN	UBOUND
INDEX	MAXLOC	SIZE	VERIFY
LBOUND	MINLOC	SHAPE	

References

00-007r3, Fortran 2000 Draft
00-308, When Default KIND Isn't Good Enough
00-350, When Default KIND Isn't Good Enough - Technical Specification and Syntax

[End of J3 / 00-352]