

Subject: Problems with CHAR and LEN in the FCD
From: Van Snyder

1 **1 Problem with CHAR**

2 The bullet on CHAR in subclause 13.6 was removed between 01-007r1 and 01-007r2. This appears to be
3 a typographical error. There are no edits in any papers for meeting 157 that address page 285, where
4 CHAR was in 01-007r1. I also checked papers from meetings 156 and 158, and none had edits for page
5 285 in 01-007r1.

6 Editor: On page 298, 7 lines from the bottom, restore the bullet on CHAR. 298

7 **2 Problem with LEN**

8 LEN is allowed as an actual argument or the target of a procedure pointer assignment. The entry for
9 LEN in the table in subclause 13.6 says the argument is default character. We recently added an optional
10 KIND argument to LEN, which makes it generic instead of specific, and therefore impossible to use the
11 (nonexistent) specific intrinsic LEN as an actual argument. We need to describe LEN as two procedures,
12 not one with an optional KIND argument, and then make it clear that only the one-argument form with
13 a default character argument is the specific one.

14 LEN(String) with a default character argument is a specific intrinsic function; LEN(String) with 300:2+ new ¶
15 a different kind argument, and LEN(String,KIND), are generic.

16 **13.7.61 LEN (STRING) or LEN (STRING, KIND)** 326:17

17 [Editor: Remove "(optional)".] 326:22

18 **Result Characteristics.** 326:23-25

19 *Case (i):* The result of LEN(String) is a default integer scalar.

20 *Case (ii):* The result of LEN(String,KIND) is an integer scalar of kind KIND.