

Subject: Section 1.14 from 03-107r1, revised
From: Van Snyder

1 Edits for Section 15

Edits refer to 02-007r3. 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 associated text, while a page and line number followed by + (-) indicates that associated text is to be inserted after (before) the indicated line. Remarks are noted in the margin, or appear between [and] in the text.

It is recommended that the description of the procedures in Section 15 in the draft standard be revised. If that occurs, at least the following changes are recommended. Most of these changes were proposed at J3 meeting 163 in paper 02-286r1. The first, third and fourth of these were proposed at J3 meeting 163 in paper 02-314r1.

[Editor: Make a subclause, number 15.1.2.1, out of the description of C_LOC, as we do in Sections 13 and 14.] 382:17

[It already says "scalar" at [382:28] so it isn't needed here. Editor: Delete "scalar".] 383:2

[Editor: Make a subclause, number 15.1.2.2, out of the description of C_ASSOCIATED, as we do in Sections 13 and 14.] 383:11

[Editor: Make a subclause, number 15.1.2.3, out of the description of C_F_POINTER, as we do in Sections 13 and 14.] 384:1

[The space between the heading and body of Table 15.2 needs some polish. Use something like is done in Table 15.1:] 385:17+3

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\hline
\multicolumn{3}{|l|}{ }
\hline
```

The following changes were proposed in paper 02-318r2 at J3 meeting 163.

The error is in the C function prototype given at Note 15.22 at page 390.

The prototype in the note is:

```
short func(int i; double *j; int *k; int l[10]; void *m)
```

This is not valid C. The semicolons must be replaced by commas such as:

```
short func(int i, double *j, int *k, int l[10], void *m);
```

2 Not edits - done in 03-133r2

The following changes were proposed at J3 meeting 163 in paper 02-307r1, and part 6 of paper 02-319r2.

[After "C_SIZE_T," insert "C_INT8_T, C_INT16_T, C_INT32_T, C_INT64_T,."] 381:20

[Remove "and".] 381:22

[After "C_INTMAX_T", insert ", and C_INTPTR_T".] 381:22

[After "-1", insert "if the companion C processor defines the corresponding C type and there is no interoperating Fortran processor kind or -2 if the C processor does not define the corresponding C type".] 381:23

[Add the following rows to Table 15.2 below the row for C_SIZE_T:] 385:17+

Table with 3 columns: (Column 1), (Column 2), (Column 3). Rows: INTEGER, C_INT8_T, int8_t

1	INTEGER	C_INT16_T	int16_t
2	INTEGER	C_INT32_T	int32_t
3	INTEGER	C_INT64_T	int64_t

4 [Add the following row to Table 15.2 below the row for C_INTMAX_T:] 385:17+

5	(Column 1)	(Column 2)	(Column 3)
6	INTEGER	C_INTPTR_T	intptr_t