Subject: Revised specs and second draft of edits for size of parameter array
From: Van Snyder
Reference: 01-189, 04-101, 04-394r1, 05-129, 05-189, WG5/N1626-J3-023

1   Specifications as revised at Delft

Allow an array named constant to get its extents from the extents of its *initialization-expr*. The ranks
of the named constant and its *initialization-expr* shall be the same. Use an asterisk for every dimension
in the declaration of the named constant.

2   Edits

Edits refer to 04-007. 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.

[Editor: Insert an additional right-hand-side for *array-spec* (R510):]   78:13+

 or *implied-shape-spec-list*

[Insert a new subclause immediately before **5.1.2.6 EXTERNAL attribute**:]   80:35+

5.1.2.5.5 Implied-shape array

An **implied-shape** array is an array named constant for which the shape is implied by the shape of the
initialization-expr in its declaration. An implied-shape array is declared with an *implied-shape-spec-list*.

R516$\frac{1}{2}$ *implied-shape-spec*   **is**   [*lower-bound*:]*

C544$\frac{1}{3}$ (R516$\frac{1}{2}$) An implied-shape array shall be a named constant.

C544$\frac{1}{3}$ (R516$\frac{1}{2}$) The *lower-bound* shall be an initialization expression.

The rank of an implied-shape array is the number of *implied-shape-spec*s in the *implied-shape-spec-list*.

The extent of each dimension of an implied-shape array is the same as the extent of the corresponding
dimension of the *initialization-expr*. The lower bound of each dimension is *lower-bound*, if it appears,
and 1 otherwise; the upper bound is one less than the sum of the lower bound and the extent.