Subject: UTI 081
From: Van Snyder

1   Introduction

UTI 081 suggests that it would be useful to be able to specify the bounds of the *allocate-object* from the *source-expr*. This would make the ALLOCATE statement more like intrinsic assignment. For the SOURCE= case, this may be of marginal utility since the assignment statement takes care of it — but doesn't provide for error detection. For MOLD=, the assignment statement doesn't offer any help.

2   Edits

Edits refer to 06-007r1. 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.

C633	(R631) If *allocate-object* is an array either *allocate-shape-spec-list* shall appear or *source-expr* shall appear and have the same rank as *allocate-object*. If *allocate-object* is not an array an *allocate-shape-spec-list* shall not appear. An *allocate-co-array-spec* shall appear if and only if *allocate-object* is a co-array.	125:20-21
[Editor: Append "for which *allocate-shape-spec-list* is specified" after "array".]		126:18
If *allocate-object* is an array and *allocate-shape-spec-list* does not appear the bounds of *source-expr* shall be defined and those bounds determine the bounds of the *allocate-object*. Subsequent redefinition or undefinition of the bounds of *source-expr* do not affect the array bounds.		126:27- New ¶
[Editor: Delete Note UTI 081 and Note 6.23. Note 6.23 is wrong anyway — see C637.]		127:0+1-12