

Subject: Comments on C1107  
 From: Van Snyder

## 1 Introduction

2 The phrase “for which component initialization is specified” within C1107 at [290:23] doesn’t explicitly  
 3 extend to components of components. . . . If it is interpreted to do so (and some processors do so interpret  
 4 it), it appears to extend to components of allocatable or pointer components, which is absurd. The term  
 5 “ultimate component” may not be right because it encompasses only components of intrinsic type. The  
 6 term “subcomponent” isn’t right because it crosses ALLOCATABLE or POINTER boundaries. A new  
 7 term, say “direct component”, is needed. On the other hand, if a component that is of derived type has  
 8 default initialization, its ultimate components could be construed to have default initialization.

## 9 2 Edits

10 Edits refer to 06-007. Page and line numbers are displayed in the margin. Absent other instructions, a  
 11 page and line number or line number range implies all of the indicated text is to be replaced by associated  
 12 text, while a page and line number followed by + (-) indicates that associated text is to be inserted after  
 13 (before) the indicated line. Remarks are noted in the margin, or appear between [ and ] in the text.

---

14 The **direct components** of an object of derived type are the components of that object, and components 56:11- New ¶  
 15 of its nonpointer nonallocatable direct components.

---

16 [Editor: “*component-initialization* is specified (R448) appears” ⇒ “*component-initialization* is specified 290:23  
 17 for a direct component (4.5.1) is declared”.]

---

18 [Editor: “default initialization” ⇒ “a default-initialized direct component”.] 294:14

---

19 [Editor: “some” ⇒ “a direct”.] 319:22