

Subject: Define the declared type of unlimited polymorphic entities
From: Van Snyder

1 **1 Introduction**

2 The declared type of an unlimited polymorphic entity is not specified. This paper proposes
3 that the declared type doesn't exist, and that it is considered to be different from the declared
4 type of any other entity. This makes the specifications for SELECT TYPE at 153:27-34 work
5 as expected (which it can't if we don't at least define the concept of "declared type of an
6 unlimited polymorphic entity"), makes the description of SAME_TYPE_AS easier, and makes
7 the semantics of SAME_TYPE_AS more similar to the semantics of ASSOCIATED.

8 **2 Edits**

9 Edits refer to 02-007. Page and line numbers are displayed in the margin. Absent other
10 instructions, a page and line number or line number range implies all of the indicated text is to
11 be replaced by associated text, while a page and line number followed by + (-) indicates that
12 associated text is to be inserted after (before) the indicated line. Remarks are noted in the
13 margin, or appear between [and] in the text.

14 An unlimited polymorphic entity is not declared to have a type. Its declared type is consid- 71:23+
15 ered to be different from the declared type of any other entity, including another unlimited New ¶
16 polymorphic entity.

17 [Editor: "An ... object" ⇒ "Even though an unlimited polymorphic object is not declared to 71:24
18 have a declared type, it".]

19 [Editor: "If ... otherwise the" ⇒ "The".] 332:3-4