

Subject: Remove an unnecessary restriction on BOZ literals
From: Van Snyder
Reference: 04-244

1 **Number**

2 TBD

3 **Title**

4 Remove an unnecessary restriction on BOZ literals.

5 **Submitted By**

6 J3

7 **Status**

8 For consideration.

9 **Basic Functionality**

10 Allow BOZ literals as *initializations* without INT() if the initialized entity is of integer type.

11 **Rationale**

12 If a BOZ literal appears as a *data-stmt-constant* in a DATA statement it is considered to be an integer
13 and the corresponding variable has to be an integer (see [89:20-22]). Things would be less irregular if
14 the parallel situation were permitted for *initializations*.

15 This paper is probably moot if the TYPELESS proposal in 04-244 is accepted.

16 **Estimated Impact**

17 Trivial or nearly so.

18 **Detailed Specification**

19 Allow BOZ literals as *initializations* without INT() if the initialized entity is of integer type.

20 Insert something like “as an *initialization-expr* in a *component-initialization*, *entity-decl* or *named-*
21 *constant-def* if the initialized entity is of integer type” somewhere in C410.

22 Move [89:20-22] (the paragraph that says BOZ literals are integers in DATA statements) to [37:25+]
23 (immediately after C410 — where it really ought to be anyway) and add that BOZ literals are considered
24 to be integers in *initializations* for integer data entities.

25 **History**