Subject: Suggested minor change to the PRESENT intrinsic
From: Van Snyder
References: 01-134, 01-144

1 Introduction

The three occurrences of the phrase "other than as the argument of the PRESENT intrinsic function" could be removed from the list in 12.4.1.6 if the argument of the PRESENT intrinsic function were made optional. The description of the PRESENT intrinsic function could also be simplified by this change. This all works because of the specification that a dummy argument not present "may be supplied as an actual argument corresponding to an optional dummy argument, which is then considered not to be associated with an actual argument" at [259:21-23].

Two new situations that arise, but that don't need additional explanation, are PRESENT() is false, and PRESENT(*non-optional-entity*) = true.

This also plugs the loophole remarked in 01-134. It is incompatible with a proposal in 01-144.

2 Edits

Edits refer to 01-007. 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 immediately following text, while a page and line number followed by + (-) indicates that immediately following text is to be inserted after (before) the indicated line. Remarks are noted in the margin, or appear between [and] in the text.

An object is **present** in an instance of a subprogram if it is not a dummy argument or it is a dummy argument that is associated with an actual argument that is present. A dummy argument that	258:43-45
[Editor: Delete "other than as the argument of the PRESENT intrinsic function".]	259:8
[Editor: Delete "other than as the argument of the PRESENT intrinsic function".]	259:15-16
[Editor: Delete "other than as the argument of the PRESENT intrinsic function".]	259:18-19
[Editor: "A" $\Rightarrow$ "[A]".]	324:17
[Editor: "shall ... dummy" $\Rightarrow$ "(optional) may be of any type. It may have any attribute. It may be a data object or a".]	324:20-22
present (12.4.1.6) : An object is present in an instance of a subprogram if it is not a dummy argument or it is a dummy argument that is associated with an actual argument that is present.	407:14-16