To: J3
From: Malcolm Cohen
Subject: Problems with type parameters
Date: 5th June 2001

1. Introduction

There are lots of mistakes in the standard.

This paper attempts to correct some of them.

2. Edits to 01-007r1

[56:17] Before "of" insert "or allocation".
{We are allowed to do this - see 6.3.1, in particular [104:32-33].}

[99:40] Delete "of a function procedure pointer" and all the commas.
{Procedure pointers are not objects, and so already ruled out by the syntax (a *designator* is a variable, a constant or a subobject of a constant).}

[119:16] Change "element and"
        to "element, each *type-param-value* in a *type-spec*, and"
{Type parameter specification in a restricted expression must be a restricted expression; this one is for array constructors.}

[119:18] After "component" insert "and type parameter value".
{Ditto; for structure constructors.}

[120:32] Same change as for [119:16].
{Require type parameters in array constructors in initialization expressions to be initialization expressions.}

[120:35] Change "and" to ",".
[120:36] Append "and each *type-param-value* is an initialization expression,".
{Require type parameters of structure constructors in initialization expressions to be initialization expressions.}