To: **T10 Membership**
From: **Lawrence J. Lamers**
Subject: **UBF Timeout Function**
Date: **Monday, January 25, 1999**

This proposal adds a UBF timeout field to the Control Mode page. The UBF timeout field is a sixteen-bit value in one millisecond increments. A value of 0000h indicates that the function is disabled. A value of FFFFh indicates an unlimited period.   (See also the busy timeout period definition in SPC-2).

This proposal adds a bit to the INQUIRY data to indicate that the device supports a UBF timeout function.

Note: The specific bytes/bits location in the Control Mode page and INQUIRY data are left to the discretion of Ralph

The unexpected bus free timeout is intended to clear the bus in the event of a bus hang. The device starts the UBF timeout function on the transition of the first REQ and restarts it on each ACK transition. When the device receives the last ACK transition the UBF timeout is function stopped. If the UBF timeout expires anytime before the last ACK transition the device goes to unexpected bus free. The existing rules related to unexpected bus free behavior apply.