To: T10 Technical Committee
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Date: July 16, 2002
Subject: Extended Copy Write filemarks operation Segment Descriptor Immediate Bit

Revision History

Revision 0 (July 16, 2002) first revision

Overview

In working through segment descriptors for Extended Copy commands, it has been determined that there is a need for an Immediate Bit in the Extended Copy commands Write filemarks operation segment escriptor (0x10), to improve the performance when executing queued segment descriptors by target data movers.

Because there is no Immediate Bit (would be located at Byte 8, Bit 0), the execution of this segment descriptor blocks the device from responding to other non-movement commands, and does not allow the device to accept another segment descriptors until this command returns with Good Status.

It is recommended that the Write filemarks operation Segment Descriptor be updated in SPC-3, to include the IMMED (Immediate) bit at Byte 8, Bit 0.