Date: Dec. 21, 1999

To: T10 Committee (SCSI)

From: George Penokie (IBM)

Subject: Unit Attention Fixes in Persistent Reservation

**Overview**

There seems to have been an error in the PERSISTENT RESERVE command with a CLEAR service action. SPC-2 currently states:

> e) establish a unit attention condition for all registered initiators, if any, for the cleared logical unit. The sense key shall be set to UNIT ATTENTION and the additional sense data shall be set to RESERVATIONS PREEMPTED.

Because of the 'all registered initiators' statement the target is required to create a unit attention of the initiator that issued the CLEAR service action. This puts the CLEAR service action in the same class as a reset. I do not believe that was the intention.

In addition there is a sliver condition in Preempting Registrations (section 5.4.2.5.2.3) that could cause an UNIT ATTENTION to the initiator that issued the preempt if that initiator is preempting itself. The current wording follows:

> d) establish a unit attention condition for any initiator that lost its registration. The sense key shall be set to UNIT ATTENTION and the additional sense data shall be set to REGISTRATIONS PREEMPTED.

**Requested change**

The wording in the CLEAR service action should be changed as follows:

> e) establish a unit attention condition for all <u>other</u> registered initiators, if any, for the cleared logical unit. The sense key shall be set to UNIT ATTENTION and the additional sense data shall be set to RESERVATIONS PREEMPTED.

To remove the sliver condition from preempting registrations word should be changed to as follows:

> d) establish a unit attention condition for any <u>other</u> initiator that lost its registration. The sense key shall be set to UNIT ATTENTION and the additional sense data shall be set to REGISTRATIONS PREEMPTED.