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To: T10 Committee

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Subject: Persistent Reservation Conflict Behavior (Corrections to SPC-2 Rev. 9 Table 7)

Table 7 states that the CLEAR, PREEMPT, and PREEMPT & ABORT service actions result in a reservation conflict when there is a Write Exclusive or Exclusive Access reservation held by another initiator. This is true if the issuing initiator is not registered, but it is false if the issuing initiator is registered. Fixing this error requires that the format of the table be changed, to reflect the fact that all Persistent Reservation service actions, except REGISTER, require that the initiator be registered. This significantly simplifies the table.

This proposal corrects the erroneous information, and reformats the table to accurately reflect the characteristics of Persistent Reservation.

Table 7 is changed as follows:

Table 7 — PERSISTENT RESERVE OUT service actions that are allowed in the presence of various reservations

Command	Addressed LU is reserved by another initiator [A]	Addressed LU has a persistent reservation held by another initiator [B]	
		Command is from a registered initiator	Command is from a not registered initiator
CLEAR	Conflict	Allowed	Conflict
PREEMPT	Conflict	Allowed	Conflict
PREEMPT & ABORT	Conflict	Allowed	Conflict
REGISTER	Conflict	Allowed	Allowed
RELEASE	Conflict	Allowed†	Conflict
RESERVE	Conflict	Conflict	Conflict

Key: LU=Logical Unit
Note: † The reservation is not released (see 5.3.2.5.1).