

Date: October 22, 2002

To: T10 Committee (SCSI)

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Subject: Allowing TUR Through Persistent Reservations

1 Overview

When a TUR command is issued to by an initiator that does not have access to a logical unit because of a persistent reservation the logical unit is required to return 'reservation conflict' status but several companies (all members of t10) have implemented their SCSI command model to give "Good" status under these conditions, (even though it violates the standard). It appears that none of them intend to change this behavior.

As a result IBM will be forced to conform to this 'industry standard' and become non-compliant with the SPC-3 standard or risk losing several sales.

It appears that those systems still using TUR and that have implemented persistent reservation believe allowing TUR through the reservation is acceptable.

To make this practice conform with SPC-3 I would like to change the 'SPC commands that are allowed in the presence of various reservations' table (Table 11 SPC-3 rev 8) to indicate 'Allowed' for the TUR command under all types of persistent reservations.

Within the TRU command description the following also needs to be added:

Logical units shall return GOOD status if a persistent reservation is detected.

NOTE 1 Logical units complying with previous versions of this standard (i.e., SPC-2) may return RESERVATION CONFLICT rather than GOOD status if a reservation conflict is detected."