To: T10 Technical Committee
From: Rob Elliott, Compaq Computer Corporation (Robert.Elliott@compaq.com)
Date: 4 January 2002
Subject: T10/02-026r0 SPC-3 REQUEST SENSE during pending-enrolled state

Revision History
Revision 0 (4 January 2002) first revision based on 2 January 2002 email to T10 reflector

Related Documents
spc3r02 - SCSI Primary Commands - 3 revision 2 (Ralph Weber)
01-268r2 - Access Controls rewrite (Ralph Weber and Jim Hafner)

Overview
While a logical unit under Access Controls is in the pending-enrolled state, 01-268r2 (Access Controls rewrite) indicates that INQUIRY and REPORT LUNS are processed as if access controls were not present, and all other commands return CHECK CONDITION/ILLEGAL REQUEST/ACCESS DENIED - INITIATOR PENDING-ENROLLED.

This implies that REQUEST SENSE receives a CHECK CONDITION, which is not appropriate. REQUEST SENSE should result in GOOD status with a sense key of ILLEGAL REQUEST and an additional sense code of ACCESS DENIED - INITIATOR PENDING-ENROLLED. This is similar to how non-existent LUNs are handled (SAM-2 section 5.8.3):

Suggested Changes to 01-268r2's suggested changes to SPC-3
9.3.1.7 Verifying access rights
If the initiator is in the pending-enrolled state (see 9.3.1.5.1.4) under an AccessID, the ACL contains an ACE containing that AccessID as an access identifier, and that ACE includes a LUACD with LUN value matching the addressed LUN, then commands shall be processed as follows:

a) INQUIRY, and REPORT LUNS commands shall be processed as if access controls were not present;
b) Except if there are exception conditions specific to the command itself, a REQUEST SENSE command shall be terminated with GOOD status and return sense data with the sense key set to ILLEGAL REQUEST and the additional sense code set to ACCESS DENIED - INITIATOR PENDING-ENROLLED.
bc) All Each other commands shall be terminated with a CHECK CONDITION status, the sense key shall be set to ILLEGAL REQUEST and the additional sense code shall be set to ACCESS DENIED - INITIATOR PENDING-ENROLLED.