

To: T10 Technical Committee
 From: Rob Elliott, HP (elliott@hp.com)
 Date: 15 February 2005
 Subject: 05-073r0 SPC-3 Report target port group transitioning support

Revision history

Revision 0 (15 February 2005) First revision

Related documents

03-343r1 SPC-3 Report supported asymmetric access states (incorporated in spc3r16)(Rob Elliott, HP)
 spc3r21d - SCSI Primary Commands - 3 revision 21d (Ralph Weber, ENDL)

Overview

03-343 added bits to the REPORT TARGET PORT GROUPS parameter data indicating which asymmetric access states are supported: active optimized, active non-optimized, standby, and unavailable.

This proposal requests one more bit indicating that the transitioning “state” (a value of Fh) can also be returned.

Suggested changes to SPC-3 (as a late letter ballot comment)

6.25 REPORT TARGET PORT GROUPS command

...

There shall be one target port group descriptor (see table 164) for each target port group.

Table 164 — Target port group descriptor parameter data

Byte\Bit	7	6	5	4	3	2	1	0
0	PREF	T_SUP	Reserved		ASYMMETRIC ACCESS STATE			
1	Reserved				U_SUP	S_SUP	AN_SUP	AO_SUP
2	TARGET PORT GROUP							
3								
4	Reserved							
5	STATUS CODE							
6	Vendor unique							
7	TARGET PORT COUNT							
Target port descriptor(s)								
8	First target port descriptor (see table 167)							
	...							
n	First target port descriptor (see table 167)							

A preferred target port (PREF) bit set to one indicates that the target port group is a preferred target port group for accessing the addressed logical unit (see 5.8.2.6). A PREF bit set to zero indicates the target port group is not a preferred target port group.

[A transitioning supported \(T_SUP\) bit set to one indicates that the device server supports returning the ASYMMETRIC ACCESS STATE field set to Fh \(i.e., transitioning between states\). A T_SUP bit set to zero indicates that the device server does not return an ASYMMETRIC ACCESS STATE field set to Fh.](#)