

Date: 10/29/08

To: T10 Committee (SCSI)

From: George Penokie (LSI)

Subject: SPC-4: Reporting support for all DIF types

1 Overview

There is currently no way for the logical unit to indicate that it is capable of supporting ~~all~~several combinations of defined protection types. This proposal adds a coded value into the SPT field that will indicate support for ~~all defined~~all defined protection type combinations.

2 Proposed changes to SPC-4 Extended INQUIRY Data VPD page

A supported protection type (SPT) field (see table 1) indicates the type of protection the logical unit supports. The SPT field shall be ignored if the PROTECT bit (see 6.4.2) is set to zero.

Table 1 — Supported protection type (SPT) field

Code	Definition
000b	The logical unit supports type 1 protection (see SBC-3)
001b	The logical unit supports type 1 and type 2 protection (see SBC-3)
010b	The logical unit supports type 2 protection (see SBC-3)
011b	The logical unit supports type 1 and type 3 protection (see SBC-3)
011 100b	The logical unit supports type 3 protection (see SBC-3)
011 101b	The logical unit supports type 2 and type 3 protection (see SBC-3)
011 110b	Reserved
100b to 111b	The logical unit supports type 1, type 2, and type 3 protection (see SBC-3)