

Date: 9/30/08

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 defined protection types. This proposal adds a coded value into the SPT field that will indicate support for all defined protection types.

## 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	Reserved
011b	The logical unit supports type 1 and type 3 protection (see SBC-3)
100b to 110 <b>+</b> b	Reserved
<b>111b</b>	<b>The logical unit supports all protection types defined in SBC-3</b>