To: Membership of X3T10

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Subject: Addition of <u>Continue on Failed Write</u> Mode field for SSC SCSI-3.

Background

During the SSC/SMC working group held on January 12, we continued our discussion on Write Dammit. We concluded that the best way to handle it would be to have a write without retries to write the data. Thinking about this some more, I determined what we really need is a write without readback since it is already possible to specify no retries. This function has been implemented in a variety of vendor-unique ways. During the SSC/SMC working group held on March 9, we discussed the appropriate response of the LUN when an unrecoverable write occurs during this mode. I have altered the relevant text.

Proposal

I am requesting that we change the Read-write error recovery page as follows. The changes in the existing text and tables are marked with underline and change bars.

Table 35 - Read-write error recovery page

Bit Byte	7	6	5	4	3	2	1	0
0	PS	Rsvd	Page Code (01h)					
1	Page length (0Ah)							
2	Reserved		TB	Rsvd	EER	PER	DTE	DCR
3	Read retry count							
4	Reserved							
5	Reserved							
6	Reserved							
7	Reserved							CFW
8	Write retry count							
9	Reserved							
10	Reserved							
11	Reserved							
NOTE - The parameters in this page also apply to verify operations.								

<u>A Continue on Failed Write (CFW) bit of zero indicates that the logical unit may require repositioning before allowing further writes after an unrecovered write error. A CFW bit of one indicates that the logical unit is capable of continued writing to the media after an unrecovered write error and that the logical unit shall not reverse media motion for the purpose of error recovery.</u>

<u>NOTE: There is no guarantee that all data written is later readable if an unrecovered write error occurs.</u>