

**Date:** March 9, 2007  
**To:** T10 Committee (SCSI)  
**From:** Roger Cummings (Symantec)  
**Subject:** T10/07-122r0 Clarifying Addresses and Volumes

### **Revision History**

07-122r0 Original

### **Related Documents**

smc3r05 SCSI Media Changer Commands - 3, Revision 05  
smc2r07 SCSI Media Changer Commands - 2, Revision 07  
05-327r0 Draft Minutes of SCSI Media Changer (SMC) Working Group Ad Hoc Meeting, 1 September 2005

### **Background**

This proposal is written in response to SMC-3 Working Group Action Item 06-004. This Action Item was first assigned to Greg Wheeless at the September 1, 2005 SMC Working Group meeting, and the paragraph reference is believed to relate to SMC-2 Revision 7. In the latest revision of SMC-3 the paragraph is now contained in section 5.2.1, but is otherwise unchanged since SMC-2.

I've read several sets of minutes and presentations from mid-2005, and the changed text below represents my best understanding as to the intent of the Action Item.

### **Proposal**

This document proposes updating the second paragraph of 5.2.1 of SMC-3 Revision 05 as per the suggested changes below.

### **Suggested Changes**

Each element is a discrete physical entity with a unique element address that may provide storage for zero or one volume. A volume is in exactly one element at a time. When **a volume is** moving from one element to another, the point in time when the volume **tag (see 5.3) reported in changes** element ~~address~~ **status is changed** is not specified by this standard. When **elements are** requested to report **their** element status, a volume shall be reported as being at exactly one element address. The element address shall not be arbitrarily changed by the media changer. However, in configurations with multiple initiators, volumes may be moved **between elements** by one application client without notification of other application clients.

