

Date: May 7, 2007
To: T10 Committee (SCSI)
From: Roger Cummings (Symantec)
Subject: T10/07-122r1 Clarifying Addresses and Volumes

Revision History

07-122r0 March 9, 2007
07-122r1 This version, containing changes as agreed at the May 7, 2007 SMC-3 Working Group

Related Documents

smc3r06 SCSI Media Changer Commands - 3, Revision 06
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 third paragraph of 5.2.1 of SMC-3 Revision 06 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 **source element status and destination element status** ~~volume changes element address~~ **are changed** is not specified by this standard. When **the device server is** requested to report 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.