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T10/08-351r0

**To** INCITS T10 Committee  
**From** Curtis Ballard, HP  
**Subject** SSC-3 Resolve LB comment HPQ-48 Removable Media Model Clause  
**Date** 3 September, 2008

**Revision History**

Revision 0 – Initial document.

**Related Documents**

ssc3r04a – SCSI Stream Commands

**Background**

This proposal will introduce changes to address the following letter ballot comment.

HPQ-48	T	33	4.2	<p>At 7.35 in. down and 0.69 in. from left          Add a section 4.2.x Removable media</p> <p>Include these points:</p> <ul style="list-style-type: none"> <li>- the RMB bit is set to one in Standard INQUIRY data (see SPC-4)</li> <li>- a unit attention condition is established whenever the media changes (e.g. with an additional sense code set to NOT READY TO READY CHANGE, MEDIUM MAY HAVE CHANGED)</li> <li>- the LOAD UNLOAD command (see 7.2) is used to add or remove the medium</li> </ul>
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The comment was made to suggest that we bring SSC-3 in line with SBC-3 which contains a model clause section or removable medium. The following text was leveraged from SBC-3 and modified to match SSC-3 which already included most of the content from the SBC-3 removable medium section in section 4.2.2, Physical elements.

In the proposed changes that follow, new text appears in blue or purple, deleted text appears in red-strikeout, and editorial comments appear in green.

**Proposed Changes to SSC-3**

*New Model Clause section 4.2.3*

**4.2.3 Removable medium**

**4.2.3.1 Removable medium**

A sequential-access device volume may be removable or non-removable. The sequential access device indicates that volumes are removable by setting the RMB bit to one in its standard INQUIRY data (see SPC-4).

A removable medium has an attribute of being mounted or unmounted on a suitable transport mechanism in a sequential-access device (see 4.2.2).

If the medium in a sequential-access block device is removable, and the medium is removed, then the device server shall establish a unit attention condition with the additional sense code set to the appropriate value (e.g., NOT READY TO READY CHANGE, MEDIUM MAY HAVE CHANGED).

The LOAD UNLOAD command (see 7.2) is used to mount or unmount the medium.

The PREVENT ALLOW MEDIUM REMOVAL command (see 7.4) allows an application client to restrict the unmounting of the removable medium. This is useful in maintaining system integrity.