

memorandum



Hewlett-Packard Company
3000 Hanover Street
Palo Alto, CA 94304-1185
USA
www.hp.com

T10/08-351r1

To	From	Subject	Date
INCITS T10 Committee	Curtis Ballard, HP	SSC-3 Resolve LB comment HPQ-48 Removable Media Model Clause	15 October, 2008

Revision History

Revision 0 – Initial document.

Revision 1 – Changes from September 08 face-to-face

Revised to use the term “Removable volume” instead of “Removable medium” and made other wording changes as requested.

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">- the RMB bit is set to one in Standard INQUIRY data (see SPC-4)- 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)- the LOAD UNLOAD command (see 7.2) is used to add or remove the medium
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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 volumes

A sequential-access device may support removable volumes (see 4.2.2). 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 volume has an attribute of being mounted or demounted on a suitable transport mechanism in a sequential-access device (see 4.2.2).

If the volume in a sequential-access device is removable, and a volume transitions from demounted to mounted, then the device server shall establish a unit attention condition with the additional sense code set to NOT READY TO READY CHANGE, MEDIUM MAY HAVE CHANGED.

The LOAD UNLOAD command (see 7.2) is used to mount or demount the volume.

The PREVENT ALLOW MEDIUM REMOVAL command (see 7.4) allows an application client to restrict the demounting of the removable volume.