

To: T10 Technical Committee
From: Rob Elliott, HP (elliott@hp.com)
Date: 1 November 2006
Subject: 06-479r0 SBC-3 Mandate CAPACITY DATA HAS CHANGED unit attention

Revision history

Revision 0 (1 November 2006) First revision

Related documents

sbc3r07 - SCSI Block Commands - 3 (SBC-3) revision 7

Overview

During SBC-2 letter ballot comment resolution, a new additional sense code called CAPACITY DATA HAS CHANGED (2Ah/09h) was defined and device servers were advised (with a “should”) to establish a unit attention condition using that additional sense code on any changes to the READ CAPACITY data.

In SBC-3, this should be upgraded to a “shall.”

Suggested changes

4.7 Initialization

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Any time the parameter data returned by the READ CAPACITY (10) command (see 5.11) or the READ CAPACITY (16) command (see 5.12) changes (e.g., when a FORMAT UNIT command or a MODE SELECT command completes changing the number of logical blocks, logical block length, protection information, or reference tag ownership values, or when a vendor-specific mechanism causes a change), the device server ~~should~~**shall** establish a unit attention condition for the initiator port associated with each I_T nexus except the I_T nexus on which the command causing the change was received with an additional sense code of CAPACITY DATA HAS CHANGED.

NOTE 4 - Logical units compliant with previous versions of this standard ~~did not~~**were not required to** establish a unit attention condition.