From: Pat Mercer - SyQuest Technology, Inc.
Subject: MC and MCR Error bit descriptions in ATA-3.   9/1/95

The descriptive text concerning the operation of the MC and MCR bits in the Error Register was removed from ATA-3 rev. 3, during the last working group session.This proposal expands section 7.4 (Removable media mode transitions) to restore that information where it is more appropriate.

Figure 4, Removable Modes, should be modified as follows:

Path 3, Door Lock, arrow should be towards State C.

Path 4, Door Unlock, arrow should be towards State B.

State D: "Button push" should be changed to "Button pushed".

State E: "Button Off" should be removed.

Path 10 should be changed to "Door Closed and Button Off".

The text following Figure 4 should be modified to read as follows:

Path 1: The first command following a media change shall be rejected with the MC bit set in the Error register and the ERR bit set in the status register. The device shall then be moved to state B, the MC condition cleared and subsequent commands accepted normally.

Path 7: A DOOR LOCK command shall return MCR status in the Error register and the ERR bit in the status register. The device shall remain in state D.

Path 8: A DOOR UNLOCK command or a hard reset shall move the device to state E, allowing media removal.

State E: The device is not ready, the media is not locked and the door is open.

Path 10: If the door is closed and the Media Change Button is inactive, then the device shall move to state A (ready) and shall set the MC bit.

The following note should be added after Path 10:

Note that a MEDIA EJECT command, while in states B, C or D, will unlock the door or media, if locked, and cause the device to transition to state E. See Clause 8.15.

Thank you,
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