

Accredited Standards Committee*
INCITS, National Committee for Information Technology Standards

Doc. No.: T13/e09002r0
 Date: 4/28/2009
 Project: 1699-D
 Ref. Doc.: e08145r5
 Reply to: Dan Colegrove

To: Membership of T13

Subject: Results of letter ballot e09001R0

For the ballot to forward D1699 Amendment 1, to INCITS for further processing, the vote was as follows:

When the ballot was issued on 23 March 2009, twenty-one voting member organizations existed. The results of the letter ballot are 16 yes votes, 0 no votes, 2 abstention votes, 5 ballots not returned. The motion passes. Details of the vote appear below.

Name	Company	Vote	Comments
	Apple Computer	-	-
Tom Pratt	Dell	Yes	No
Bill Martin	Emulex	Yes	No
Sumit Puri	Fujitsu	Yes	No
Wayne Bellamy	HP	Abstain	With Reason
Dan Colegrove	Hitachi GST	Yes	Yes
Steve Livaccari	IBM	Yes	No
Steven Wells	Intel	Yes	Yes
	Kionix	-	-
Fred Knight	NetApp	Yes	No
John Geldman	Lexar Media	Yes	Yes
George Penokie	LSI Logic	Yes	No
Frank Shu	Microsoft	Yes	No
Mark Overby	nVidia	Yes	Yes
Dale Jurich	Phoenix Technologies	Abstain	With Reason
Joeseeph Chen	Samsung	Yes	No
Dave Landsman	Sandisk	Yes	Yes
Jim Hatfield	Seagate	Yes	No
Aaron Wilson	STEC	Yes	No
	Toshiba	-	-
Curtis Stevens	Western Digital	Yes	No

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INCITS Secretariat: Information Technology Industries Council (ITI)

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Regards,

Dan Colegrove
T13 Chairman

1. nVidia comment 1:nVidia comments are in document e09003r0-NVIDIA Comments on ACS Amendment 1.
2. Sandisk comment 1: 1) Section 4.26 incorrectly labeled section 4.27 in the amendment text;
3. Sandisk comment 2: 2) Table 55 (section 7.48.10) incorrectly labeled table 1 in amendment text
4. Lexar Media comment 1:Lexar Media comments are in document e09004r0-Lexar_Proposed_changes_for_ATA8-ACS_Ammemdment
5. Intel Comment 1:

Amendment makes TRUSTED NON-DATA command mandatory (was optional). Need to update the clause that describes the command:

Old Text:

7.56 TRUSTED NON-DATA - 5Bh, Non-Data

7.56.1 Feature Set

This 28-bit command is optional for devices implementing the Trusted Computing feature set.

New Text:

7.56 TRUSTED NON-DATA - 5Bh, Non-Data

7.56.1 Feature Set

This 28-bit command is ~~optional~~ **mandatory** for devices implementing the Trusted Computing feature set.

6. Hitachi GST comment 1: Proposal e08158r1 Set Features Revert to Default Behavior Setting After Hard Reset or POR was adopted for inclusion in ACS-2. This proposal corrects an error introduced in ATA8-ACS which should also be corrected in ATA8-ACS
7. Hitachi GST comment 2:

During ATA8-ACS development the description of Identify Device word 59 was changed from:

7.16.7.20 Word 59: Multiple sector setting

If bit 8 is set to one, bits (7:0) reflect the number of logical sectors currently set to transfer on a READ/WRITE MULTIPLE command. This field may default to the preferred value for the device (see 7.51).

To:

7.16.7.21 Word 59

If bit 8 is set to one, then bits (7:0) indicate the number of logical sectors that shall be transferred per DRQ data block for a READ MULTIPLE command or a WRITE MULTIPLE command. This default setting of this field is the optimum value for the device (see 7.51).

This implies that 0 is not a valid default setting, which conflicts with Set Multiple Mode. Set Multiple Mode describes the default to 0 mode. Many devices default word 59 to 0. ATA8-ACS should be corrected to say:

7.16.7.21 Word 59

If bit 8 is set to one, then bits (7:0) indicate the number of logical sectors that shall be transferred per DRQ data block for a READ MULTIPLE command or a WRITE MULTIPLE command. This default setting of this field shall be zero or the optimum value for the device (see 7.51).

