

Takeshi Kohda (Pioneer) will provide a new version of Mt Fuji that contains a finalized version of the DVD-R dual layer command descriptions ASAP. This will result in a new MMC5 version (rev 3) about mid-June.

Atsushi Ishihara (Toshiba) will provide the HD-DVD model section during June. Bill McFerrin will work to incorporate that information (MMC5 rev 4) before the July MMC meeting.

Takaharu Ai (Panasonic) will prepare a proposal for AACs to be presented at the July meeting.

### **9.0 Future Meeting Schedule**

Time: Tentatively Tuesday and Wednesday, 12 and 13 July 2005.

Location:

Antlers Hilton Hotel

4 South Cascade Avenue

Colorado Springs, Colorado 80903

Phone: (719) 955-5600 Fax: (719) 389-0259

Reservations: (800) 445-8667 or use the following URL:

[http://www.hilton.com/en/hi/groups/private\\_groups/coscshf\\_lsi710/index.jhtml](http://www.hilton.com/en/hi/groups/private_groups/coscshf_lsi710/index.jhtml)

(12 May), T10 voted to accept the action as non-substantial changes. Bill McFerrin created MMC4R05A in order to reflect the editorial changes in a posted version of MMC4. It is still possible that INCITS may decide that MMC4 needs a full public review again. This should be known before the July MMC WG meeting.

## 7.0 New Business

SAT ATAPI Proposal, David Hawks (IOMEGA)

SAT (SCSI ATA Translation) is a protocol definition that permits transmission command/status for ATA and SATA devices over SCSI. The potential is that a single SCSI connection can provide an interface path for many ATA and SATA devices. The SCSI connection may be parallel SCSI, USB, 1394, SAS, Fiber Channel, etc.

David Hawks is the editor of the ATAPI part of the SAT standard. He is requesting the companies that design ATAPI devices review the entire document, when available. The document is available on the T10 website.

The ATAPI part of the document is not yet available.

Review BD Commands R054.PDF, Bill McFerrin (Philips)

Rev 0.54 is the next version of a document intended for inclusion into MMC5. Bill McFerrin reviewed the document in detail. Some errors were discovered. The corrections will result in a new version. Both rev 0.54 and rev 0.55 will be posted on the T10 website within one week. The following editorial actions are needed:

1. 3.2.37 - Definition of Zone must be investigated. Only the Information zone can be larger than one layer.
2. Throughout Clause 4 - Translate "area" to "zone" where necessary.
3. 4.4.5 and 6.32.1.5 - VNR description in model section is OK, but VNR description in WRITE (12) command needs more explanation. Duplicating text may be the only way.
4. 4.5 - In the EB error listed, change the word "SPECIAL" to SPECIFIC or UNIQUE.
5. 4.5 - Delete the last sentence of 2nd paragraph....62 EB entries... This is extraneous.
6. Table 2 - A PAC is really only 31 sectors.
7. In various locations - Remove references to ASCII and replace with ISO 646.
8. 4.6.4.4 - More description is needed in order to make it clear that WP can be changed.
9. 5.1.3 - A general reference to the FORMAT UNIT command is useful for format types and sub-types.
10. Table 10 - Specify mandatory/optional data types for READ DISC INFORMATION.
11. Table 50 - SRM case should be SRM-POW.
12. READ DISC INFO: Need a decision about mandatory/optional character of data types 1 and 2. Mandatory with BD-R POW Feature?
13. READ TRACK INFO - Is the appendable (open) bit. Mandatory with BD-R POW Feature?
14. Note that INCREMENTAL STREAMING WRITABLE does not make any of the above mandatory.
15. 6.17.2.2 - Read DI: Identify Disc Types - ASCII strings And reference appropriate format documents.

There is no decision on points 12 and 13. These will be discussed on the reflector.

Review MMC editor's MMC-5 Format proposal, Bill McFerrin (Philips)

Bill McFerrin proposed an basic structure for MMC5 that may help in merging proposals from several sources. This proposal also includes a reduction in the number of annexes - 10 to 4. Although there were no objections, it is clear that the value of this proposal will not be know until the next few revisions of MMC5 are posted.

## 8.0 Review of Action Items

Bill McFerrin will create BD commands rev 0.55 according to comments received during the meeting.

Bill McFerrin will post BD Commands rev 0.54 and rev 0.55 to the T10 reflector.

Bill McFerrin expects to produce a new revision of MMC5 (rev 2) before June 1 that includes BD commands contents.

**19, 20 May 2005 MMC WG Meeting Minutes**  
**Hosted by Sony (Norichika Mine) and Pioneer (Keiji Katata)**

**1.0 Opening Remarks**

This meeting has been authorized by INCITS T10 and will be conducted under the INCITS rules. Ad hoc meetings take no final actions, but prepare recommendations for approval by the NCITS task group. The voting rules for the meeting are those of the parent committee, INCITS T10. For the ad hoc, other than straw votes, the voting rules are: one vote per participating company. The minutes of this meeting will be posted to the T10 Reflector and will be included in the next T10 committee mailing. Attendance at a working group meeting does not count toward minimum attendance requirements for T10 membership. Working group meetings are open to any person or company to attend and to express their opinion on the subjects being discussed.

**2.0 Attendance**

Mou Huang	CyberLink	Takeshi Kohda	Pioneer
Kenji Tokumitsu	HLDS	Masaetsu Takahashi	Ricoh
Yasuhiro Horiuchi	IBM	Shin-ichiro Tomisawa	Sanyo
Hideo Yamashita	InterVideo	Katsuki Hattori	Sanyo
Kenji Yoshihara	JVC	Tadashi Okajima	Sanyo
Hideaki Suzuki	NEC	Peter Rae	Software Architects
Akio Yamazaki	NEC	Koki Hayashi	Sonic/Roxio
Toshitaka Nakajima	NEC	Norichika Mine	Sony
Kentaro Akahane	NEC	Yoshiyuki Tokumoto	Sony
Takaharu Ai	Panasonic	Hideki Takahashi	Toshiba
Keiji Katata	Pioneer	Shunsuke Kimura	Toshiba
Toshiro Tanikawa	Pioneer	Atsushi Ishihara	Toshiba

**3.0 Document Distribution**

The following documents were distributed:

NCITS.PDF T10/05-152: Comments on MMC-4 from the NCITS Editors  
 MMC4R05A.PDF  
 BD Commands R054.PDF  
 MMC5 Format.PDF

**4.0 Call for Patents**

None announced

**5.0 Approval of Agenda**

AACS Discussion is added to agenda.

**6.0 Old Business - Review of Action Items**

Using AACS on media other than HD-DVD, Takaharu Ai (Panasonic)

Commands for support of AACS on HD-DVD have already been proposed to Mt Fuji. The commands are easily adapted to support other media, such as BD. Ai-san, Panasonic, requests that this be done in the MMC. A proposal will be ready before the July MMC meeting.

ANSI/INCITS Editorial comments on MMC-4 and MMC-4 Editor's responses, Bill McFerrin (Philips)  
 Bill McFerrin distributed NCITS.PDF that contained T10 document 05-152R0. This is an e-mail discussion about several editorial comments on MMC4R05. Bill McFerrin responded to the INCITS editor and posted the responses on the T10 website. During the T10 plenary last week