

Subject: MMC Working Group Minutes - Wednesday 11 September 2002

From: Bill McFerrin, MMC WG Chair
To: T10 Members
Date: 12 September 2002

MMC WG Meeting held during T10 Meeting week at:
T10 Meeting Week at:
Hilton Minneapolis/St. Paul Airport
3800 East 80th Street
Bloomington, Minnesota 55425
Phone: (952) 854-2100 Fax: (952) 854-1039

Hosted by: Cisco Systems, David Peterson

1.0 Opening Remarks

Bill McFerrin opened the meeting at 9:00AM with the standard announcements:

- 1) This meeting has been authorized by INCITS T10 and will be conducted under the NCITS 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.
- 2) The minutes of this meeting will be posted to the 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.
- 3) MMC4R01d.pdf is on the T10 website. Changes and new material are highlighted in yellow.

A short discussion of agenda followed.

2.0 Introductions

Present at this meeting:

David Hanes	Hewlett Packard Co.
Emily Hill	Microsoft Corporation
Terry Nelson	Panasonic Technologies, Inc
Keiji Katata	Pioneer
Bill McFerrin	Philips Electronics/CD Edge
Masaaki Nakagawa	Ricoh Corporation
Masaetsu Takahashi	Ricoh Corporation
Morihiro Murata	Yamaha Corporation
Gregory Fry	Roxio Inc.
Norichika Mine	Sony
Tasuku Kasebayashi	Toshiba America Elec.

3.0 Document Distribution

MMC-4 Draft revision 01D was distributed electronically for those who did not collect it from the T10 web site.

Multi-Media Command (MMC) Set for the MRW Formats was distributed electronically.

DVD+R Multi-Media Command Set Description was distributed electronically.

Distributed Real Time Defect Management schema for real time recording was distributed electronically.

4.0 Call for Patents

None.

5.0 Approval of Agenda

No objections

6.0 Old Business

With respect to reporting MMC-3 errata, Takahashi-san, Ricoh presented a paper showing an error with respect to speed reporting via Mode Page 2Ah and with speed selection in the SET CD SPEED command description.

The errata report was accepted with no dissention.

7.0 New Business

The meeting proceeded with presentations for inclusion into MMC-4.

7.1 DVD+MRW Presentation

Bill McFerrin, Philips, reviewed the *Multi-Media Command (MMC) Set for the MRW Formats*. CD-MRW first appeared in MMC-3, so the review focused on DVD+MRW. This material has already been integrated into MMC-4, rev 01D.

7.2 DVD+R Presentation

Bill McFerrin, Philips, reviewed the *DVD+R Multi-Media Command Set Description*. The overview of the logical format focused on the commonalities and differences between recording on CD-R and recording on DVD+R. This material has already been integrated into MMC-4, rev 01D.

7.3 Distributed Real-Time Defect Management Presentation

Katata-san, Pioneer, presented the Pioneer proposal for a new sort of defect management in which the processing for defect management is distributed between the host and the recording device. The mechanism focuses on deferring the overheads associated with defect management until a write stream has ended. The general opinion of the WG is that further discussion is needed.

7.2 Review the MMC-4 draft revision 1d.

Due to the short time remaining, Bill McFerrin quickly pointed to the changes made in MMC-4 draft rev 01C and the new material added to MMC-4 draft rev 01D. Questions and change requests will be made by e-mail and a formal review is deferred until the November meeting.

One point that received extended discussion is the Firmware Information Feature. This is new in MMC-4 draft 01D. It provides a method to report the firmware creation date and time, GMT. Necessity was questioned. It is noted that this feature is optional.

8.0 Review of Action Items - Plan for next revision of MMC-4 draft

Bill McFerrin will include some points of clarification in the new MRW and DVD+R material.

Bill McFerrin will correct a length field error in the Firmware Information Feature description.

8.1 Action items

8.2 New development

9.0 Future Meeting Schedule

Wednesday, 6 November 2002 during T10 Meeting week at:

Hilton Waterfront Beach Resort

21100 Pacific Coast Highway

Huntington Beach, CA 92648

(714) 960-7873

Hosted by Skip Jones, Qlogic

10.0 Adjournment

The meeting was adjourned at 5:35 PM.