Doc. No. T10/99-334R0

To: Membership of NCITS T10
From: B. McFerrin/R. Roberts
Subject: Minutes of MMC Working Group – November 2 – 3, 1999

AGENDA

1.0      Opening Remarks
2.0      Introductions
3.0      Document Distribution
4.0      Call for Patents
5.0      Approval of Agenda
6.0      Meeting Agenda
   6.1 – Public Review Comment Resolution MMC-2
   6.2 – RMC Draft Review
   6.3 – MMC3 Draft Review
   6.4 – DVD/CD-RW Optimization Proposal
7.0      New Business
8.0      Review of Action Items
9.0      Future Meeting Schedule
10.0     Adjournment

Minutes:

1.0 Opening Remarks
Ron Roberts called the meeting to order at 9:00 AM on Tuesday November 2, 1999. He thanked Adaptec for hosting the meetings.

This meeting has been authorized by NCITS 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, NCITS T10. For the ad hoc, other than straw votes, the voting rules are: one per participating company.

The minutes of this meeting will be posted to the, the T10 Reflector, and the MMC 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 Introductions
Introductions of attendees were made and a sign-up sheet was distributed. The following attendees were present during the two days of meetings:

<table>
<thead>
<tr>
<th>Name</th>
<th>Company</th>
<th>E-mail Address</th>
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</thead>
<tbody>
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3.0 Document Distribution
Electronic copies of MMC300A, RMCR01, Katata Email, MMC2 comments were distributed.

4.0 Call for Patents
The normal request for patent disclosures was made. No patents were identified.

5.0 Approval of Agenda
No modifications were made.

6.0 Meeting Agenda
6.1 Public Review Comment Resolution MMC-2
Comments received from T10 chairman were discussed and resolutions were determined. Document T10/99333R0 contains the resolution to the comments. Also discussed was a proposal by Paul Suhler Seagate Technology. It was determined that the problem he identified did not exist in the changer applications for MultiMedia devices.

6.2 RMC Draft Review
Bill McFerrin presented the model of a RMC device and answered many questions on the theories presented. A first draft has been generated and is available.

6.3 MMC3 Draft Review
Ron Roberts reviewed the changes requested by the MtFuji group to incorporate DVD-RAM and streaming capability. Draft MMC3R00A incorporated these changes and additions and was reviewed. MMC3R01 will be placed on the T10 web site and will be reviewed in Dallas at the March 2000 meeting.

6.4 DVD/CD-RW Optimization Proposal
The proposal was presented to optimize the command execution and seek optimization to handle streaming of data on CD/DVD-RW devices. A long discussion ensued, the result was that Katata should look at the performance enhancement gains if this was implemented within a device. Refer to the document that is available on the Pioneer ftp site: ftp.avc-pioneer.com/Mtfuji4/Proposal/Oct99/RWSWG/

7.0 New Business
None

8.0 Review of Action Items
Ron Roberts to generate a MMC3R01 for review at the March meeting.
All, provide modified MtFuji input to Ron prior to the end of January 2000 to be incorporated into MMC3R01.
Bill to provide updated revision of RMC.

9.0 Future Meeting Schedule
The next meeting will be held in Brisbane, Australia January 11&12, 2000.
Schedule: March 7 & 8, 2000 Dallas, Texas
May 16 & 17, 2000 Nashua, NH

10.0 Adjournment
The meeting adjourned at 12 Noon, November 3, 1999.