Accredited Standards Committee *
NCITS, Information Processing Systems

To: Membership of T10
From: B. McFerrin/R. Roberts
Subject: Minutes of T10 MMC II Working Group – January 8 & 9, 1998

AGENDA
DRAFT 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 - Review Rev3 of MMC II Specification
   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 9:15 AM on Thursday 1/8/98. He thanked SIERRA-Pac Technology for hosting the meetings. Ron asked Mr. Bill McFerrin of Philips to act as recording secretary for 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 vote per participating company.

The minutes of this meeting will be posted to the Symbios T10 BBS, the SCSI Reflector, the MMC Reflector, and will be included in the next X3T10 committee mailing.

Attendance at a working group meeting does not count toward minimum attendance requirements for X3T10 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:

Name:	Company:	E-mail address:
Mike McMurdie	Adaptec	mcmurdie@corp.adaptec.com
Ron Roberts	Apple Computer	rkroberts@alo.com
Rob Sims	Hewlett Packard	robsims@hootie.lvld.hp.com
Bill McFerrin	Philips	bill.mcferrin@na.km.philips.com
Frank Banul	Texas Instrument	f-banul@ti.com
Devon Worrell	Western Digital	worrell@dt.wdc.com
Tim Bradshaw	Iomega Corp.	bradshat@iomega.com

3.0 Document Distribution
Ron Roberts distributed a soft copies of the following documents:
1) d1228_r01.doc, MMC II Rev 4.0

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   Agenda
    6.1   Review Rev4 of MMC II Specification
        1. Layout of the document was reviewed and modifications made.
                - Forward
                - Introduction
                - 1.0. SCOPE
                - 2.0. Normative Ref
                - 3.0. Definitions, Abbrev, etc.
                - 4.0. Models (includes section 8 of Fuji2)
                - 5.0. Parameters, Features, Profiles
                - 6.0. Commands
                - Annex A Sense Codes
                - Annex B ATAPI Implementation
                - Annex C SBP2 Implementation
                - Annex N Command List
                - Annex P Power Management
                - Annex Q CD Text
        2. Discussion on what is to be included in the Power Management Annex. R. Roberts to contact Pete McLean to determine what RBC and MMC should follow when it comes to Pwr Mgmnt.
        3. Discussed what should be given to Tech editor of SPC2, to be included with the GET CONFIGURATION command. Rob Sims to provide a Frame document of the GET CONFIGURATION command and Feature descriptions to be included in the SPC2 document.
        4. It was determined that Section 8 and 8.2 be merged into the Clause5 and included in the new clause 5 with Parameters.
        5. Bill McFerrin requested that each clause be reviewed and identify the areas that can be listed as completed. See action items for results of review.
        6. Clause 3, Definitions, abbreviations, and symbols was reviewed. Ron Roberts is requested to check capitalization rules of NCITS and ANSI and adjust the document accordingly.

7. Review of Command Section Commands shall remain in alphabetic order according to command name.

All commands shall be represented.

Devon Worrell noted that several Fuji commands are not yet in MMC2. Ron Roberts has the action in progress.

- Blank

The mandatory/optional column in the Blanking Types table will be removed.

- Close Track/Session

Close Session has an additional description. When a Close Session is requested and Write Parameters specify that the disc remains open and there is not sufficient space for a next session, then the session shall be closed with B0 pointer set to ff:ff:ff.

- Format Unit

IP bit must now be fixed to 1. Fuji changes for DVD.

- Get Event Status Notification - OK.

- Load/Unload - OK.

- Mechanism Status

Verbage for fields when there is no changer:

FAULT, CHANGER STATE, and CURRENT SLOT are reserved.

Mechanism State, Door Open, Current LBA must have valid values.

Number of slots available shall be zero.

Length of slot tables shall be zero.

- Pause/Resume

- Play Audio (10)

- Play Audio (12)

- Play Audio MSF

Transfer length (Play 10 and Play 12) will now be Play length.

Error labelled ILLEGAL MODE FOR THIS TRACK OR INCOMPATABLE MEDIUM must be changed to ILLEGAL MODE FOR THIS TRACK for consistency with SCSI-2.

- Play CD   - This command has been marked obsolete.

- Read Buffer Capacity   This command has been marked obsolete.

-Read CD

Need feature for R-W subcode reading; particular attention must be paid to CD-Text.

Read CD needs some clarification work.

- Read CD MSF - OK.

- Read CD Recorded Capacity

Need a table for various CD capacities.

-Read Disc Information

RR may add DVD-R specifics.

Remaining commands will be processed for compatibility with Fuji2.

8. It was determined that Revision 5 of the document will be the base line and changes to rev 5 will be indicated by revision marks.

7.0   New Business

None

8.0   Review of Action Items

- Ron Roberts will contact Pete McLean on power management schemes or documents.
- Ron Roberts to contact SONY and determine if CD TEXT can be included as a feature and defined in the feature clauses.
- Ron Roberts to change FORWARD as marked up with changes from Fuji2 included.
- Ron Roberts to change INTRODUCTION as marked up.

- Ron Roberts to change SCOPE to reflect the requested changes.
- Ron Roberts to update sub-clause 2.2 with latest versions.
- Bill McFerrin with the following items:
Verbage changes for Close Session.
Verbage changes for Read CD for CD-Text reading. Loss of streaming statement. (p 89).
Verbage changes for Read CD Recorded Capacity. Need a table.

9.0 Future Meeting Schedule

Salt Lake City, UT   February 9 & 10, Joint meeting with the RBC on 2/9/98.

10.0   Adjournment
The meeting adjourned at 4:00PM January 9, 1998.