

Accredited Standards Committee^{*}

X3, Information Processing Systems

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Reply to: R. Roberts

To: Membership of X3T10
From: R. Reisch/R. Roberts
Subject: Minutes of X3T10MMC Working Group -March 12 & 13, 1996

Agenda

- 1.0 Opening Remarks
- 2.0 Introductions
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Minutes

1.0 Opening Remarks

R. Roberts called the meeting to order at 9 AM on Tuesday 3/12/96. He thanked Skip Jones for hosting the meetings. Ron asked Mr. Rob Reisch of Kodak to act as recording secretary for the meetings.

2.0 Introductions

Introductions of attendees were made and a sign-up sheet was passed around. List of attendees is attached.

3.0 Document Distribution

Revision 4.0 of the document was distributed to attendees. Mr. Neil Sugie, of Alpha Peripherals, also distributed the "ATAPI CD-R/E command set"

4.0 Call for Patents

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

5.0 Approval of Agenda

The agenda was approved as presented

6.0 Meeting Agenda

^{*}Operating under the procedures of The American National Standards Institute.

6.1 Page by page review of MMC-R4

The review of the document on a page by page had the following items identified to be changed or investigated:

- Rob Reisch to re-write the blank verify (BLKVFG) paragraph on page 8.
- Does SAM define the CD Ready/Not Ready condition? If SAM defines ready/not ready remove section 4.1.4. Note: If section does remain we want to add ATAPI table 26 to this section.
- CD-R mandatory optional commands added to MMC spec and post on the reflector.
- Section 4.1.6 sensing support for CD audio commands. This section to be re-written
- 4.2.1 updated from current ATAPI version 2.6 January 26 Load/Unload needs model section in MMC. Devin Worrell to supply editor with copy.
- The read sub-channel command, MMC section 4.2.12, needs a explanation for what address is returned for the "HOLD TRACK STATE".
- Bill McFerrin will provide a proposal for changes to 4.2.4 Play Audio (10). His proposal will address errors for immediate bit set or not set. (section 4.2.4 Play Audio)
- Editor: in section 4.2 put a basic boiler plate statement that says there are no deferred errors when the immediate bit is set.
- Editor: move table 13 and 14 to annex ? Page 22 & 23 add a reference to the annex where the table 13 and 14 will now be located.
- Editor: Play CD Command page 26 & 27 add tables and additional words from ATAPI command version 2.5 or 2.6.
- In ATAPI 2.6 CD ROM sector formats figure 11 move to MMC document.
- Editor: MMC table 26 needs to be updated with ATAPI 2.6 table 99. Add write to shaded lines of table 99 in MMC plus additional words. Put on reflector for review.
- Table 28 page 33 MMC open table up so that three vertical dots are added between cell 1 and cell 588.
- MMC table 30 page 34 define bits 7 and 6 as undefined
- MMC page 38 remove the note bottom page
- Read CD Recorded Capacity page 38 section 4.2.10
 - Rob Simms to provide description paragraph
 - PMI bit must be set to zero only
 - Remove +/- 75 sector tolerance
 - Page 39 Read CD Recorded capacity data format table 34, add a paragraph that describes block length valid values are 2048 and 512. Note 512 is a valid legacy value for MSF reporting see subclause 4.1.5.
- in 4.1.5 "if you are using 512 this section does not apply". add the following statement:
 - Note: For logical block size of 512 bytes the MSF address returned is that for the physical block containing the specified logical block.
- MMC page 41 table 37 CD data mode field
 - Add new section ??? to the document for CD ROM sector formats. add Figure 11 CD ROM sector formats from ATAPI CD ROM Spec.
- In MMC table 37 CD Data Mode Field Contents make the following changes:

CD DATA MODE	CD ROM Sector Formats
00h	CD Digital Audio
01h	Yellow Book Mode 1
02h	Yellow Book Mode 2
03h-FFh	Reserved

Bottom of table 37 add = Note: see table ??? in new section for CD ROM sector format details

- EDITOR: Figure 11 from ATAPI spec needs a definition for Mode 0 data format. Rob Reisch to provide definitions.

- MMC page 43, Read Sub-Channel command. Bill M will rewrite this command and post on the reflector. Will have the following:

- table 50 raw data format like table 96 ISRC format
- No differed errors
- Audio status codes will be cleared up
- ADR Sub-Channel Q field expanded
- Fix track Number text catalogue only remove OPC & bar Code.

- MMC Table 142 needs to be the same as MMC table 96 same format for ISRC must be used.

- MMC page 51 section 4.2.13, READ/TOC/PMA Command.

- change Read TOC/PMA to READ TOC/PMA/ATIP
- see editor notes for changes totable 51 and 52. Table 52 READ TOC/PMA/ATIP.

- MMC page 52 definition of first track number and 1st track number are to be updated per editor notes. Remove note about first track number.

- Add ATAPI 2.6 table 26 NOT READY ERROR REPORTING table to MMC 4.1.4. Note table 26 has to be expanded to section 3 write commands. Need additional information for CD ROM and CD-R/E

- MMC page 53 table 54 READ TOC/PMA/ATIP (Format = 01000). Change table back to ATAPI format

- MMC page 54 table 55 must be expanded into 2 tables. Use table 128 and 129 ATAPI page 122 for format 1000b and associated words between the tables. Table 55 is to be used for format 1100b. Modify headers.

- MMC page 54 table 55 modify header table 55 for format 1100b:

- Byte 0-Table 54 information
- Byte 1-Table 54 information
- Byte 2-Table 54 information
- Byte 3-Table 54 information
- * format 1000b, full TOC, add that only one of the 3 copies is reported
- * format 1100b, PMA, add that only one of the 5 copies is reported

- MMC page 55 table 56 add proposed definition of the table

7.0 New Business - No new business

8.0 Review of Action Items

9.0 Future Meeting Schedule

The next meeting of the working group will be held in the BAY AREA on Monday April 22,23 & 24, 1996. Location and conference room will be posted later. The meeting on Wednesday 4/24 will be a joint meeting with X3T13 at the Holiday Inn in Milpitas

The May meetings will be in Ft Lauderdale, FL May 7 & 8. This X3T10 week hosted by Adaptec.

10.0 Adjournment

The meeting adjourned at 5:15 PM on March 13th.

For changes or additions to the minutes contact:

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15 People Present

Status Key: P - Principal

A,A# - Alternate

O - Observer

L - Liaison

V - Visitor