MMC 3 Working Group - March 6 & 7
9:00 AM - 5:00 PM

Crown Plaza Suites
7800 Alpha Road
Dallas, Tx USA

T10 Meeting week
Hosted by: Texas Instruments

The morning session was yielded for use as a joint MMC/Mount Fuji
meeting.

Tanikawa-san of Pioneer chaired this meeting.
Katata-san (Pioneer) presented some small changes to the GET PERFORMANCE
COMMAND. The length field of each returned structure header was not
consistent with similar information commands. It was not specified that
the length field should have a fixed value regardless of the indicated
allocation length.

There was some discussion of modifying the DVD Structure with format
field = 5 in support of DVD-RAM ver 2.1. After some discussion of
applicability, the proposal was withdrawn.

There was a lengthy discussion about the use of the BUFE bit with
respect to CD recording.

Proposal from Katata (Pioneer): provide for the default value of BUFE to
be vendor specific.

During the January 2001 meeting, Emily Hill (Microsoft) had originally
proposed that the default value be clearly specified as zero. This had
been accepted during the January meeting.

Bill McFerrin (Philips) noted:
Since this bit was reserved in an earlier standard, the preferred method
of use is to insure that the default state of the bit is zero. This
allows enabling the capability while not interfering with legacy
applications. There is a reasonably plausible scenario in which a user
would be quite disappointed with the results.

Katata argued that some drive customers preferred to decide upon such
defaults. The default of zero means that the customer may be satisfied
and not in compliance or not satisfied and in compliance.

Emily Hill argued that too much unspecified behaviour by the device
makes system software a great deal more complex than necessary.

The discussion continued for quite some time.

In the end, a compromise of sorts was reached. The wording shall be:
In order to minimize compatibility problems, the default value for BUFE
should be zero for CD-R/RW logical units.

The Mount Fuji meeting was adjourned at noon.

The meeting reconvened as the T10 MMC WG meeting. Bill McFerrin called
the meeting to order at 13:20.

1.0 Opening Remarks

2.0 Introductions
In attendance:

Masahiro Ito   Fujitsu
David Hanes   Hewlett-Packard
Kenji Tokumitsu   Hitachi
Hiroshi Ueda   Matsushita
Emily Hill   Microsoft
Terry Nelson   Panasonic
Bill McFerrin   Philips
Toshiro Tanikawa   Pioneer
Keiji Katata   Pioneer
Takeshi Kohda   Pioneer
Masaetsu Takahashi   Ricoh
Masaaki Nakagawa   Ricoh
Yau-Ting Mau   Roxio
Yasuyuki Suemori   Sanyo
Norichika Mine   Sony
Hideki Takahashi   Toshiba

3.0 Document Distribution
Actual distributions were done as proposals were presented.

4.0 Call for Patents
No responses.

5.0 Approval of Agenda
Emily Hill requested time to show the latest version of Microsoft's
proposal for a universal method of requesting media identification.

6.0 Old Business
Microsoft has been promoting the idea of providing a host with the
ability to collect a media identification number. The goals are:

1. There is one method per command set type (ATA, SCSI)
2. The returned data has the same format in all cases.

Emily was directed to the SPC WG where we can be sure the goals can be
met.

Emily Hill distributed and explained a media serial number proposal.
This was later presented to the SPC WG.

Review of MMC3 Draft 8 began. Clauses 1 through 5 had been reviewed
before, however, due to some changes and an editor change, these clauses
were reviewed again. Some comments had already been received and
processed into Draft 9. Primarily, wording, spelling, grammar, and
punctuation changes were required. Lack of precision in some
descriptions was also a problem. e.g. The DVD+RW Profile did not carry
the DCB feature.

The Tuesday meeting was adjourned at 17:10.

The Wednesday meeting was called to order at 9:00.

Tim Bradshaw (IOMEGA) visited for a short time, wrt the T13 methods used in reporting media identification. Again, commonality of data format in the response was of concern.

Possible action: Document the media id reporting in MMC first and work for a trickle-up to SPC. Given the current volatility of the proposal, it was decided to leave it out of MMC3 and wait for SPC.
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Review with real-time correction continued beginning with clause 6.

As was found Tuesday, wording, spelling, grammar, and punctuation errors represented the primary changes. The most serious error was the omission of a description of how to fabricate TOC data for various DVD disc types. We invented a new error code: 05h/30h/10h: MEDIA NOT FORMATTED. This is for media (like DVD+RW) which is expected to possess several different formats. It is preferred that the host selects the default format for blank media; hence the new error.

Once the review was completed, it was decided by an informal, unanimous vote that the result should be forwarded to T10 for further processing - letter ballot.

7.0 New Business
Bill McFerrin announced that new proposals from the Mount Rainier group would represent the beginnings for MMC4. Furthermore, the RMC will be withdrawn since the goals are unlikely due to changes in the marketplace. We shall re-address the goals within the context of MMC4.

A request for additional proposals was put forth. Bill McFerrin will write a proposal for presentation at the May T10.

8.0 Review of Action Items
After adjournment, Bill McFerrin completed all editorial changes not made during the meeting. A pdf was created and made available to all interested at 17:10.

9.0 Future Meeting Schedule
Next meeting is in Nashua, NH in May. See www.T10.com for details.

10.0 Adjournment
The meeting was adjourned at 16:15.