

# ***OSJ Physical WG 2 Meeting Report***

**DMS Division, Ricoh Co., LTD.  
Hideaki Ohba**

# *Outline*

- ◆ **Date: December 4, 1997**
- ◆ **Time: 13:00~16:30**
- ◆ **Place: Ricoh R&D Center**
  
- ◆ **Agenda**
- ◆ **(1) Introduction**
- ◆ **(2) Organization and Membership (Ricoh, Philips)**
- ◆ **(3) Review of the Test Method in Yokohama (Ricoh)**
- ◆ **(4) Test Proposal (Ricoh)**
- ◆ **(5) Schedule (Philips)**
- ◆ **(6) Other issues**

# *Participants*

- ◆ Denon
  - ◆ Funai
  - ◆ LG Electronics
  - ◆ MCC
  - ◆ Mitsumi
  - ◆ MKE
  - ◆ NEC HE
  - ◆ Philips
  - ◆ Ricoh
  - ◆ Samsung
  - ◆ Sony
  - ◆ Teac
  - ◆ Yamaha
- T. Sano
  - M. Muraoka
  - K. Hoshi, S.K. Kim
  - M. Horie
  - Y. Maekawa, M. Takebayashi
  - H. Fujimoto
  - S. Oogaki
  - W. Mimmagh, T. Fujimoto
  - T. Matsui, H. Ohba, M. Nishimiya, H. Iwasaki
  - T. Yoshida
  - H. Oinoue, A. Okada, S. Sasaki, M. Inoue
  - A. Endoh, M. Kubo
  - K. Osakabe

# *Organization*

- ◆ **Former Yokohama Group has been merged into the OSJ and is going to be organized as the OSJ Physical Working Group 2.**
- ◆ **Philips shows their willingness to contribute the activity as a Chair company of the Physical Working Group 2, and assigned Mr. Kablau as the chairman.**
- ◆ **When Mr. Kablau is unable to attend the meeting, Mr. Ohba of Ricoh, the Secretary of the Physical Working Group 2, will conduct the meeting as the alternative chairman.**

# *Membership*

- ◆ **-OSJ Physical Working Group 2 Member  
(in alphabetical order)**

**Denon, Funai, Hitachi, Hitachi Maxell, JVC, KME,  
LG, MKE, MEI, MCC, MCI, Mitsumi, NEC HE,  
Philips, Pioneer, Plextor, Ricoh, Ritek, Samsung,  
Sanyo, Sony, Taiyo Yuden, TDK, Teac, Teijin,  
Toray, Toshiba, Yamaha**

- ◆ **-Observers  
(in process of obtaining the OSJ membership)  
HP, Plasmon**

# *Test Proposal*

- ◆ **Step 2.5**  
**Evaluation of compatibility among new discs/drives/ROM players and existing discs/drives/ROM players.**

## ***Step 2.5*** ***Preparation***

- ◆  **$m$ (# of drives)  $\times$   $n$ (10 groups of players) discs from each disc mfr.**
- ◆ **Each drive records on  $n$  discs.**
- ◆ **CD-RW OBIII Version 1.0 substrate must be used.**
- ◆ **Recording format according to OBIII Version 1.0 is essential.**

## ***Step 2.5*** ***Procedure***

- ◆ **Send sample discs to drive mfrs.**
- ◆ **Write test : Full surface write at OPC-determined Pw0**
- ◆ **Read test : RODAN (Philips' STD Reader)**
- ◆ **Read test : CD-RW drives and ROM players**
- ◆ **Summary**

## *Step 2.5*

# *Evaluation Parameters*

- ◆ **Jitter**
- ◆ **Bler at 1X, 2X, 4X, 8X and max speed.**
- ◆ **Access Speed**(in comparison with reference CD-ROM)
  - **Random Access**
  - **1/3 Stroke Access**
  - **Full Stroke Access**
- ◆ **Data Transfer Rate**(in comparison with reference CD-ROM)

# *Schedule*

- ◆ **Call for participants: -12/18**
- ◆ **Number of the participants fixed: 12/19**
- ◆ **Disc preparation: -1/16**
- ◆ **Write Test: -1/30**
- ◆ **RODAN Read Test: -2/16**
- ◆ **Read Test: 6 weeks**
- ◆ **Test Completion: 4/E**

# *Issues*

- ◆ **Permission for usage of Test Data used in the Physical WG 1.**
- ◆ **Availability of reference CD-ROM replica (or CD-R) from Philips.**

# *Future Matter*

- ◆ **Step 3.0 (Apr.~)**  
**Interchangeability among writers.**  
**(Random packet writing/reading may also be evaluated in cooperation with EWG. )**
- ◆ **Step 4.0**  
**Step 2.5-type Test at 1X, 2X, and 4X write speed.**  
**(sometime after the OBIII ver. 2.0 release)**
- ◆ **Read and Write Test of defect disc.**
- ◆ **DOW Test**

# *Next Meeting*

- ◆ **Proposed to be held on February 18, 1998, at Philips Japan (Shinagawa, Tokyo).**
- ◆ **Proposed agenda:**
  - Review of the Orange Book Part III Version 2.0.**
  - RODAN test result of the Step 2.5.**

# *Other Issues*

- ◆ **-Orange Book Part III Version 2.0 update (Philips)  
Release: by the end of January, 1998 on time.  
Review will be made by Philips in the next OSJ Physical Working Group 2 Meeting.**

- ◆ **- Abbreviations of the OSJ Physical WG 1 and 2 (Mr. Mimmagh)**

**OSJ Physical Working Group 1 - PWG1**

**OSJ Physical Working Group 2 - PWG2 (approved)**

**comments: A confusion or conflict with Promotion Working Group. Approval from Promotion Working Group and OSJ Physical WG 1 needed.**