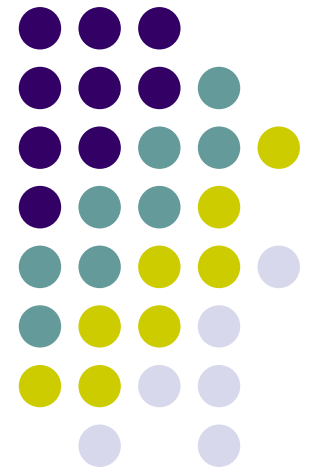


# RRT Stage 4 (2<sup>nd</sup> JRT) Overview

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**RRT Chair: Y. Utsumi (Pioneer)**



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# Participants of Stage 4



Alpine Electronics, Inc.,  
AMC Co., Ltd.,  
B.H.A Corporation,  
CMC Magnetics Corporation,  
CyberLink Inc.,  
DENON Ltd.,  
Fuji Photo Film Co., Ltd.,  
Funai Electric Co., Ltd.,  
Gigastorage Corporation,  
Hitachi, Ltd.,  
Hitachi-LG Data Storage, Inc.,  
Hitachi Maxell, Ltd.,  
InterVideo Japan Inc.,  
Kenwood Corporation,  
Lead Data Inc.,  
LG Electronics Inc.,  
Matsushita Electric Industrial Co., Ltd.,  
Mitsubishi Electric Corporation,  
Mitsubishi Kagaku Media Co., Ltd.,  
MJC (Singapore) Pte Ltd,  
Moser Baer India Ltd,  
Nan Ya Plastics Corporation,  
NEC Corporation,  
Nero,  
NewSoft Technology Corporation,

New Star Digital Co., Ltd.,  
New Star Digital Japan Co.,  
Optodisc Technology Co.,  
Orion Electric Co., Ltd.,  
Panasonic Communications Co., Ltd.,  
Panasonic Shikoku Electronics Co., Ltd.,  
Pioneer Corporation,  
Princo Corporation,  
Prodisc Technology Inc.,  
RITEK Corporation,  
Samsung Electronics Co., Ltd.,  
Sanyo Electric Co., Ltd.,  
Sharp Corporation,  
Shinano Kenshi Co., Ltd.(Plextor),  
SKC Co., Ltd.,  
Sony Corporation,  
Taiyo Yuden Co., Ltd.,  
TDK Corporation,  
TEAC Corporation,  
Toshiba Samsung Storage Technology Corporation,  
Ulead Systems, Inc.,  
UmeDisc Ltd.,  
Victor Company of Japan, Limited,  
Yamaha Corporation

(in alphabetical order)

# Participants of Stage 4



- Market share
  - 49 companies from around the world participated in the tests.
  - Total world market shares of participating companies:
    - DVD-R/RW discs: 90%
    - DVD-R/RW writers: 70%
    - DVD-R/RW recorders: 81%

# Summary of Stage 4



- RRT carried out the Stage 4 Round Robin Test for 8x DVD-R and 4x DVD-RW products.
  - Physical Format WG
    - Evaluated major characteristics of 8xR and 4xRW discs.
  - Logical Format Writer WG
    - Executed three Recording model test, one Marginal test and one Readability test.
  - Logical Format Recorder WG
    - Confirmed the High Speed disc, PAL video and Copy-once contents with CPRM.
  - Playback Compatibility WG
    - Confirmed the Class1 disc, PAL video and CPRM disc.
    - Check playability for various physical properties.

# Summary of Stage 4



- Improved and confirmed high compatibility of DVD-R and DVD-RW related products.
  - DVD-R: 96%
  - DVD-RW: 99%including,  
Pre-production models, Marginal Test, Video/VR mode on CPRM disc, PAL video recording and playback, New class disc



# Future Plan

- Continuation of RWPPPI and RDVDC relationship
  - Collaboration on JRT
  - Check and improve compatibility among DVD related products
  - Follow progress in DVD specifications
- Activity Plan (2005 Q2 – 2006 Q1)
  - Focusing On:
    - Compatibility of high-speed recording products
      - 16x speed DVD-R, 6x speed DVD-RW
    - Compatibility of new specifications
      - Dual Layer DVD-R
    - Compatibility check of prospective and new DVD products
      - DVD discs, writers, recorders, players, PC drives and application software