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Current Issues OSJ-EWG

Software compatibility testing

Step 1: ISO 9660

Step 2: UDF

OSJ-EWG guidelines

5 documents will be available upon request.

OSJ-EWG Members

OSJ-EWG Members (15 companies)

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Writer Software Application Compatibility Studies

Check compatibility of writer application from the view point of end-users.

Step 1: ISO 9660 formatter

Step 2: UDF formatter

ISO 9660 software test: Test Conditions

- **Platforms**
 - Windows 95
 - Macintosh
- Software packages
 - 6 packages for Windows 95
 - 3 packages for Macintosh
- Writing Mode
 - DAO/TAO

ISO 9660 software test: Test Configuration

Windows 95 version Japanese4.00.950 B

machine Gateway2000

OS level OSR 2

SCSI card Adaptec AHA2940

MACINTOSH

machine Power Macintosh 8600

OS level OS8.0 Japanese

CD drive used

YAMAHA CDR400 FW version 1.0j

Data recording test: -Windows

- Multi-session writing
- The 1st session was written on the disc under default setting with each software, and then the 2nd session with another Software.
- Data is compared after writing.
- If software is designed for English OS, only English files was written on the disc.

Data recording test: -Macintosh

- Multi-session writing
- 1. The 1st session was written on the disc under ISO 9660 with Apple extension, and then the 2nd session with another software.
- 2. The 1st session was written on the disc under HFS, and the the 2nd session with another software.
- Data was compared after writing.

Evaluated points

- 1. WritingCompleted writing operation?
- 2. File compare
 Compare after writing each session

Reference Test Disc Contents

- File Contents
 - Files with Japanese file names and Files with English file names are separated at the top level directory.
 - Long File name
 - The content of file is not "0" data.
 - one directory including a lot of files in the same directory. (1,000 file of several kilo byte)

Root +---- Japanese +---- "fukai kaiso" (Japanese) +----English

+----Deep Hierarchy(English)

Test 1:Multi-session recording test (1)

1. Testing in Windows 95 environment

1 st	Α	В	C	D	É	É
2 nd				Auralia		
A		725				
В						
C				759		
D	丁台。					
E						12
F			40.8			

2. Testing in Macintosh environment

1 st	Α	В	C
2 nd			
Α	0-45		
В		4-1-	
С			

Test 1:Multi-session recording test (2)

♣ 1st session:

```
Root
+---- Japanese1
+---- "fukai kaiso" (Japanese) 1
+----English1
+----Deep Hierarchy (English) 1
+----Session2 (empty directory)
```

2nd session:

Test 2: Audio recording test

- 1. Audio recording as multi-session
 Examine whether it is possible to record audio session on the 2nd session or not.
- 2. Edit and record a CD from several CD's Record DA tracks on a CD-R from several CD's and confirm the tracks
- 3. Recording data session in addition to audio session
 - Read data on the 2nd session and compare Play back audio tracks on the 1st session

Test 3: Interchange test between Win and Mac

- Readability in different OS environment using discs written by Test 1.
 - ISO 9660 with Apple extension disc
 - --> Confirm readability in Windows 95.
 - Windows ISO disc
 - --> Confirm readability in MAC OS.

Implementation Guidelines

- As results from compatibility studies in OSJ-EWG, the following guidelines will be published from OSJ.
 - 1. The Guideline to understand CD-R/RW Command Set
 - 2. Usage of OPC Area within its Limitation
 - Book part 2 version 3.0.
 - 3. Guide Line to Automatic Error Recover Process
 - 4. Read Test Reference to Packet Written Media
 - 5. Overviews of Orange Book
 - Documents will be soon available from OSJ by paper or electronic form (e-mail reflector under construction).

Distribution

- OSJ-EWG documents are available upon request.
- If you would like these documents, please contact:
 - tak@shinyoko.ricoh.co.jp