

ISO/IEC JTC 1
Information technology
Secretariat: ANSI (USA)

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Email of secretary: lrajchel@ansi.org

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ISO/IEC JTC 1 SC 23

Kei YAMASHITA, SC 23 Chair

Toshiko KIMURA, SC 23 Secretariat

2012 JTC 1 Plenary

what is new

■ Work items

- ◆ IS : ISO/IEC 1001 2012/8/8 Published
- ◆ DAM : ISO 9660:1988/DAM 1
- ◆ New Work Items : 4 BDs 30190/30191/30192/30193
 - Revision of ISO/IEC 29121
 - Revision of ISO/IEC 16963
- ◆ 16th plenary meeting was held on June 26 in Lisbon Portugal

■ Participants

P-Members	Total 8	(no change)
O-Members	Total 19	

■ Liaisons

ISO TC42, ISO TC171
IEC/TC 100/TA 6, Ecma TC31, WIPO

what is new (new work item)

4 BD (Blu-ray Disc™) Standards

- **ISO/IEC CD 30190**, Information technology -- Digitally recorded media for Information interchange and storage -- **120 mm Single Layer (25,0 Gbytes per disk) and Dual Layer (50,0 Gbytes per disk) BD Recordable disk (BD-R SL/DL)**
- **ISO/IEC CD 30191**, Information technology -- Digitally recorded media for Information interchange and storage -- **120 mm Triple Layer (100,0 Gbytes per disk) and Quadruple Layer (128,0 Gbytes per disk) BD Recordable disk (BD-R TL/QL)**
- **ISO/IEC CD 30192**, Information technology -- Digitally recorded media for Information interchange and storage -- **120 mm Single Layer (25,0 Gbytes per disk) and Dual Layer (50,0 Gbytes per disk) BD Rewritable disk (BD-RE SL/DL)**
- **ISO/IEC CD 30193**, Information technology -- Digitally recorded media for Information interchange and storage -- **120 mm Triple Layer (100,0 Gbytes per disk) BD Rewritable disk (BD-RE TL)**

what is new (new work item)

Revision of 2 Standards.

1. ISO/IEC 29121 revision

Information technology --- Digitally recorded media for information interchange and storage -- Data migration method for DVD-R, DVD-RW, DVD-RAM, +R, and +RW disks

■ Reason :

After the completion of the recordable DVD life estimation standard ISO/IEC 16963, users request test interval for the monitoring the data longer when the estimated lifetime of the disks is known.

■ Outline :

provides a recommendation to determine the data monitoring interval for data migration according to the estimated lifetime of the disks.

what is new (new work item)

2. ISO/IEC 16963:2011 revision

Information technology -- Digitally recorded media for information interchange and storage -- Test method for the estimation of lifetime of optical media for long-term data storage

■ **Out line**

to add four BD recordable and rewritable disk standards which are being developed as Projects 30190, 30191, 30192, 30193.

The revision and extension work will be done together with ISO/TC 42, ISO/TC 171/SC1 and Ecma TC31.

what is new

(16th SC 23 Plenary meeting)

Date & Place : June 26 in Lisbon, Portugal

Attendants: total 26 peoples

Chair & Acting Secretary

4 P-member countries (17)*

1 O-member country (2) and 5 observers

Discussion & decision items

1. ISO/IEC 16963 revision

* (xx);numbers of attendants

(1) re-appointment of JWG1 Convener

(2) decided to revise ISO/IEC 16963.

(3) the revision will include four BD Recordable and Rewritable disk standards.

2. Discussion of 4 BD Working drafts & creating CD

(1) appointment of 4 editors for each BD standard.

(2) CD ballots started on July 22, 2012 and DIS Ballot will be expected to start Oct. 2012



what is new

(16th SC 23 Plenary meeting)

3. ISO/IEC 29121 revision

NP was approved and 3 co-editors were appointed

Discussion of WD :

To create CD with some modification of text (editorial)

CD ballot started at middle of July 2012

4. Discussion of the resolutions of JTC1 San Diego Meeting

(1) Consider Storage Class memory

Response to JTC1 is

SC23 is interested in this Storage Class Memory; however, this technology is still under development stage. Therefore, at this moment, SC23 has no standardization plan yet. SC23 will continue to watch this technology for future activities.

(2) Willingness the work on Flash memory

This was reported at last JTC1 meeting and at SC23 plenary meeting the scope of SC23 was revised (inclusion of Flash memory).

what is new

(16th SC 23 Plenary meeting)

5. Others

(1) Discussion of JTC1 Systematic review & Stabilization of the standards

recommend to JTC1; 1 stabilized and 3 confirmed.

(2) Appointment and Re-appointment of Liaison officers

- ISO/TC 42: Prof. Mitsuru Irie
- ISO/TC 171: Dr. Terence Nelson
- ISO/TC 171/SC 1: Dr. Terence Nelson
- IEC/TC 100/TA 6: Mr. Koji Tsukada
- Ecma TC 31: Mr. Kei Yamashita

(3) Next SC 23 meeting: in USA on 2014.

6. SC 23 appreciated to the National Body of Portugal for inviting the 16th plenary meeting of SC 23 in Lisbon, Portugal.



user engagement

- requirements addressed

Users request SC 23 to revise the following 2 standards

- 2nd Edition of ISO/IEC 16963 (inclusion of BDs)
The work will be expected to start at the 4Q of 2012 after the 4 BD Standards reached the DIS ballot stage.
- 3rd. Edition of ISO/IEC 29121 (inclusion of BDs)
will be proposed in early 2013.

- iVDR-EX Hardware : Under consideration



known implementations

- There are many implementations of SC23 standards (CD, DVD, BD, Lifetime expectancy, etc.) by many manufacturers
- Detailed market information was provided at the past JTC1 plenary.



issues or needs

- resource constraints
 - Low number of active P-members
 - New Work items on Storage Class Memory, Digital Preservation, Big data, etc. need more technical experts

- help
 - Teleconference & Webex conference help attendants to join the meeting easily from any place in the world.



2013

- new directions
 - Expected New Work items
 - ◆ ISO/IEC 29121 (3rd.)

- date/location of next SC plenary
 - 17th Plenary Meeting will be held sometime in USA 2014.
(Place and date will be determined later)



History of SC23 (1)

1st ISO/TC 97/SC 23 Plenary 1985.5.20-5.23 in Tokyo

Chair: J. Shimada, Secretary; T. Misao, HoD Jpn. Y. Mitsuhashi

2nd TC 97/SC 23 Plenary 1986.9.22-9.25 in Geneva

3rd TC 97/SC 23 Plenary 1987.10.13-10.16 in Washington D.C.

1st JTC1 Plenary 1987.11.17-20 in Tokyo

Attendant from TC97

Vice chair H. Wada, HoD Jpn S.Takahashi, no SC23

attended

1st JTC1/SC 23 Plenary 1988.11.29-12.01 in Maastricht

Plenary meetings after the 1st are listed in the following slides.

History of SC23 (2)

No.	Date	Place
16	2012/06/26	Lisbon, Portugal
15	2010/12/03	Winterthur, Switzerland
14	2008-12-16/17	Jeju, Korea
13	2007/9/20	Montreux, Switzerland
12	2005/12/1	Kyoto, Japan
11	2001/10/10	Lugano Switzerland



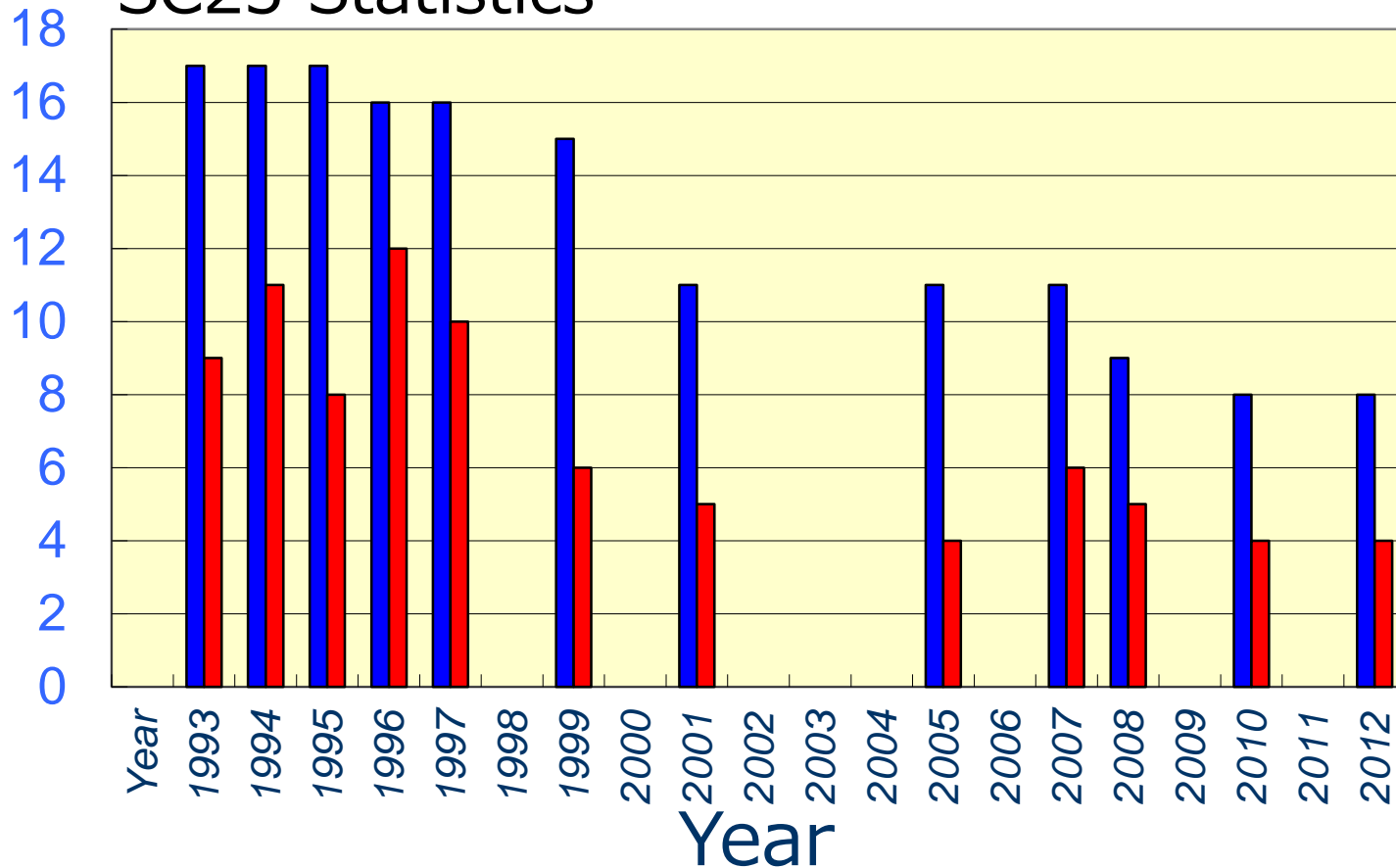
History of SC23 (3)

No.	Date	Place
10	1999/10/29	Beijing China
9	1997-10-16/17	Washington DC. USA
8	1996-10-24/25	Berlin Germany
7	1995-10-26/27	Seoul Republic of Korea
6	1994-11-03/04	Geneva Switzerland
5	1993-04-22/23	Eindhoven Netherlands
4	1991-09-12/13	Sofia Bulgaria
3	1990-10-22/24	Washington USA
2	1989-10-25/27	Tokyo Japan
1	1988-11-29/12-01	Maastricht Netherlands

History of SC23 (4)

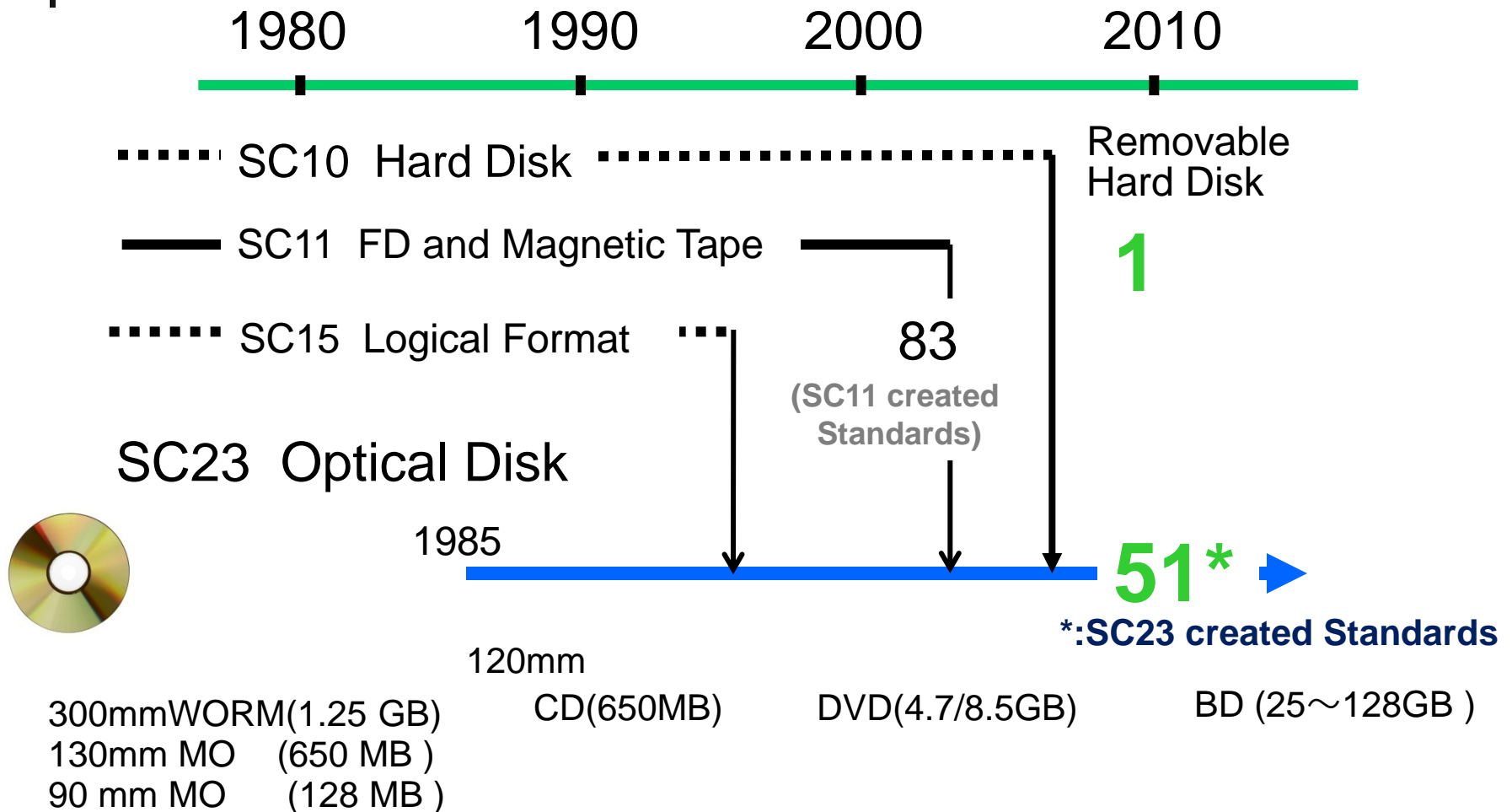
Numbers

SC23 Statistics



History of SC23 (5)

Digitally Recorded Media for Information Interchange and Storage





End

- Thanks
- Questions?