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TITLE: Draft Minutes of the 30th Meeting of ISO/IEC JTC 1/SC 23/WG 2, January 28, 1997, St. Gervais, France (SC 23/WG 2 N 1092)

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ISO/IEC JTC 1/SC23/WG2
 90 mm and 130 mm Optical Disk Cartridges
 Secretariat: ECMA

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TITLE:	Draft minutes of 30 th SC23/WG2 meeting, held in St. Gervais, France, on 28 th -29 th January 1997
SOURCE:	SC23/WG2 Secretariat
STATUS:	Draft minutes
ACTION:	To be approved at 31 st meeting
DISTRIBUTION:	JTC 1/SC23/WG2 JTC 1/SC23 Secretariat JTC 1 Secretariat ITTF

Attendants:

- France: Mr. F. Le Carvenec (Cons.) - HoD
- Germany: Mr. E. Hellstern (PDO Media) - HoD
- Japan: Mr. J. Horigome (Sony)
 Mr. Y. Masakawa (Olympus)
 Mr. K. Miwa (IBM)
 Mr. H. Sakeda (Hitachi)
 Mr. H. Takeshima (Mitsubishi Chemical)
 Prof. K. Tanaka (Teikyo Heisei University) - HoD
- Netherlands: Mr. P. Weijenbergh (Philips) - HoD
- Switzerland: Mr. D. Hekimi (Toshiba) - HoD
- UK: Mr. F. Orito (Verbatim) - HoD
- USA: Mr. S. Heil (Panasonic) - HoD

Mr. J. Neumann (Hitachi)

– ECMA: Mr. J. van den Beld (ECMA) - Secretary

Apologies were received from Mr. Deese, Mr. Holst, Mr. Saito and Mr. Kim.

1 Opening and welcome

Mr. van den Beld opened the meeting and proposed **Mr. Hekimi** as Acting Chairman. The meeting agreed with this.

2 Adoption of the agenda (N 1075)

The agenda was adopted with the addition of item '6.2 Structure of NBs'.

Documents N 1077 to N 1089 were posted, and distributed at the meeting:

- N 1080 Letter to Mr. P. Adelstein on ODC storage conditions
- N 1081 JTC 1/SC1: terms and definitions for ODCs
- N 1082 JNB organizations and their relationship with JTC 1
- N 1083 Activity report of UK
- N 1084 Activity report of Japan
- N 1085 Planning of TVTD for 130 mm ODC / 5,2 Gbytes ODC (15286)
- N 1086 Activity report of USA
- N 1087 Draft annex F for WD 15286
- N 1088 Technical proposals from JNB on 130 mm / 5,2 Gbytes ODC
- N 1089 Format information for 130 mm ODC / 5,2 Gbytes (15286)

Documents available in electronic format will be made available in electronic form also at the meeting, by the Secretariat, e.g. via diskette. The preferred format is PDF, the Acrobat reader needed for such files will also be made available.

3 Approval of the minutes of the 29th meeting (N 1074)

The minutes were approved without modifications.

4 Appointment of the drafting committee

Mr. Neumann prepared the resolutions (N 1091).

5 Reports

5.1 Report by Convenor

None.

5.2 WG2

Mr. van den Beld reported that ISO/IEC 14517 (130 mm / 2,6 Gbytes ODC) has been published unexpectedly fast, on 1996-12-15. A small number of errors has been overlooked, and can best be corrected by means of a Technical Corrigendum.

ISO/IEC 15041 (90 mm / 650 Mbytes ODC) is being processed by ITTF. Final editorial corrections are still possible.

The letter ballot on DIS 14760 (90 mm / 1,3 Gbytes ODC using phase change (N 1071) will close on 1997-04-12.

5.3 JTC 1 Plenary of December 1996 (see N 1079)

Mr. van den Beld reported on the last JTC 1 meeting:

- re-engineering activities: cancellation of projects, grouping, business teams.

- PAS: prolongation of trial period until the end of 1998.
- modified DIS procedure (see N 1093).

5.4 Liaison report from IT 9-5 and ISO/TC 171

None.

5.5 ECMA

Mr. van den Beld reported on some important activities in 1997:

- The first DVD-ROM draft will be reviewed in February 1997 by ECMA TC31.
- UDF (Uniform Disk Format) will be standardized by TC15 in the first half of 1997 in close co-operation with OSTA (Optical Storage Technology Association). The first meeting is in Princeton on 17th - 18th February 1997.
- CTI (Computer Telephony Integration) by integrating CSTA Phase 3 and the Versit specification.
- ECMAScript ("Javascript"), sponsored by new members, Microsoft, Netscape, Borland, and others, in the new TC39.

5.6 IEC/TC 100

See N 1078.

5.7 Industry trends

Recently, on the Advanced Storage Technical Conference (ASTC), the development of a 120 mm (!) single-sided rewritable ODC with a capacity of about 7 Gbytes using MO technique, has been made public. About 20 companies attended the conference and signed a Non-Disclosure Agreement. The work has been done by the ASMO group (Advanced Storage MO) in the past five months, in Japan. The renewed ASMO group consists now of nine companies.

The positioning of this ODC in view of the DVD-RAM (phase change) and the 130 mm / 5,2 Gbytes ODC (MO) is not yet known.

6 Activity reports

6.1 Japan

Mr. Tanaka presented the report (N 1084).

The structure of JNB is presented in N 1082. WG2 in the Japanese mirror committee SC23 deals with MO, WG6 (with four study groups) deals with phase change.

Members of ITSCJ are persons. ITSCJ is funded by industry.

6.2 UK

Mr. Orito presented the report (N 1083).

The "IT-division" of BSI is called DISC. The data storage committee in DISC is called IST4. One project deals with lifetime of CD-R.

There is a growing interest in electronic documents.

6.3 USA

Mr. Heil presented the report (N 1086).

The JTC 1 TAG of ANSI - the USA P-member of JTC 1 - is responsible for the American relations with JTC 1. The JTC 1 TAG has institutional, e.g. X3 and IEEE, and company members. The institutional members are accredited (by ANSI) standards committees. JTC 1 TAG is the overall co-ordinating body. The main data storage committees in X3 are X3B5 for ODCs and X3B11 for magnetic tape cartridges. IEEE has also a data storage committee. The secretariat of X3 is provided by the Information Technology Industry (ITI) Council (formerly CBEMA): **Mr. Emard** has been secretary until the end of 1996.

Since mid January 1997 X3 has the new name NCITS (pronounce “Insights”), the National Committee for IT Standardization. Currently names like X3B5 are replaced by B5 (not by NCITS.B5).

6.4 France

Mr. Le Carvenec gave a short oral report (8X, 14760, DIS ballots)

7 TVTD activities

7.1 TVTD ad hoc group report on project 1.23.15286 (8X)

The ad hoc group has been convened by **Mr. Horigome** (N 1077). The first report, mainly consisting of planning, was presented by **Mr. Horigome** (N 1085). See resolution 30-01.

7.2 Discussion on TVTD procedure

A discussion was held on the question whether the TVTD guideline needs to be simplified. For internal WG2 projects such a need does not exist. The guideline, also intended as a safeguard in case of PAS submissions, does not meet current practice in case of fast-track submissions, either by a JTC 1 P-member, e.g. JNB, or a JTC 1 A-liaison, e.g. ECMA. Such organizations do not have TVTD guidelines but have their own internal procedures and responsibility for verifying and guaranteeing the technical quality of critical parameters in their submitted standard. Usually the standard is developed in parallel with a product. For example, ECMA has no TVTD guidelines but requires the availability of test ODCs two TC meetings prior to the submission for vote by the General Assembly.

The TVTD guideline for ODCs should also not be confused with the creation of reference media for magnetic tape. Magnetic media require relative measurements, ODCs do not.

Another consideration is that the fast-track procedure is a JTC 1 procedure, not an SC23 procedure. JTC 1 is even trying to relax strict controlling rules in order not to lose relevance for industry. Moreover, in JTC 1 there is always the possibility to vote NO if there has not been provided enough technical information.

Good engineering, in reliable organizations, requires technical measurements anyhow, whether there is a TVTD guideline or not.

Prof. Tanaka remarked that the topic is also under discussion in JNB, and that the outcome of this discussion is still unknown and may take a long time, but it is also recognised that it does not look very useful to tighten/enforce the guideline for the fast-track procedure in order to resolve “theoretically possible” bad situations instead of taking a practical approach.

8 Project 1.23.15286 (“8X”): 130 mm / 52 Gbytes ODC

8.1 Mr. Neumann had prepared the 2nd draft WD (N 1076), and presented this. The draft was approved.

8.2 Comments/contributions

Comments were received from **Mr. Holst** (N 1090), and contributions from JNB on:

- annex F (N 1087): accepted as normative annex
- technical proposals (N 1088): **Mr. Takeshima** presented these, and the proposals were accepted
- format and layout: **Mr. Horigome** presented this contribution, which was accepted.

Further remarks:

- there are many TBDs in the document
- the decimal mark is a comma
- T is the time of one clock pulse, so 2T is not the bit length.

8.3 Review of 2nd WD 15286

A page-by-page review is not yet useful but will be done just prior to the CD. The 1st CD is scheduled for October 1997.

8.4 Instructions to co-editors

The comments and contributions will be processed and the results will be included by the co-editors in the 3rd WD 15286. Also as many TBDs as possible will be resolved. See resolution 30-02.

8.5 Scope of WD 15286

Mr. Hekimi presented some 'food for thinking':

From a user's point of view the term DOW - Direct OverWrite - is not relevant. Commercially, however, it may be relevant.

However, it is relevant for the user whether an update function exists: the way of updating is for the user only a matter of performance.

Examples of confusing language in the scope of WD 15286 are:

- Type WO-DOW is write **once** but uses direct **overwrite**: this is confusing and contradictory wording.
- Type WO is NOT indicating that a disk is written once but is meant to indicate that a disk can be written in several writing sessions.

Contributions to improve the terminology and definitions are invited.

9 Any other business

9.1 Terms and definitions for ODCs (N 1081)

N 1081 has been provided by **Mr. Holst** for information. One remark concerns 'entrance surface'. This surface shall be translucent. Therefore, it is recommended to replace the current text by "through which the optical beam accesses the recordable layer". Comments on N 1081 are invited.

9.2 Letter to Dr. Adelstein (N 1080)

Mr. Holst has prepared this letter on ODC storage conditions.

Mr. Hekimi did not agree to add the proposed sentence to the clause on storage conditions in ODC standards because:

- lifetime is a matter of quality, and money, and is, thus, not a standardization but a commercial matter; it is virtually impossible to determine quality control by means of a standard.
- it requires other types of tests, e.g. more intense read tests.
- if there would be an optimum storage condition then this condition should be the only one that is recommended, and it should not be one out of a set of classes of conditions.

SC23/WG2 leaves it to NBs to take action.

Note from secretary: N 1094 gives the reply from **Dr. Adelstein** to the letter (N 1080) from **Mr. Holst**.

10 Resolutions (N 1091)

The resolutions were approved, with thanks to **Mr. Neumann**.

11 Date and place of next meetings

No. 31 24th - 25th June 1997, starting at 10.00 on 24th June 1997, on kind invitation by BSI (confirmed), London environment.

No. 32 14th - 15th October 1997, starting at 14.00 on 14th October 1997, Washington DC environment, on kind invitation by ANSI (to be confirmed).

N.B. Meeting no. 32 of WG2 will be preceded by a meeting of WG1 on 13th - 14th October 1997, starting at 09.00 on 13th October 1997, at the same venue, for a detailed review of WD 15286.

See resolution M30-03.

12 Adjournment

The meeting was adjourned on 28th January 1997.