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Minutes of the WG1 Meeting 2003-03

1 Opening of the meeting

The meeting was opened by the convenor, David May.

The WG1 Experts were welcomed by Gemma Deler, representing the host.

David May spoke of the contribution to the work of WG1 made over many years by Tom McGeary, who passed away since the last meeting.

The WG1 meeting was then adjourned, being resumed after the TF1 and TF2 meetings.

2 Adoption of the draft agenda (1N1232)

The agenda was accepted with addition of the following items::

- Tactile identifier
- WG1 web site
- Review of membership list
- Future meetings – in particular meetings requiring long haul travel
- Temperature range discrepancies across SC17 standards
- WG8 test methods
- Optical mark for TFC

3 Introduction and roll call of experts

The following experts were present for the WG1 meeting:

David May [DM] (UK) (WG1 Convenor)

Steve Brunt [SB] (UK) (Secretary)

George Steele [GS] (USA) (TF1 Convenor)

Felix Shvartsman [FS] (USA) (TF2 Convenor)

Uwe Truggelman [UT] (UK) (TF3 Convenor)

Terry Schindler [TS] (USA) (TF2 Minutes Secretary)

Erick Brisse [EB] (France)

Michel Dancygier [MD] (France)

Manuel Deloche [MDe] (France)

Laurence Robles [LR] (France)

Martin Albrecht [MA] (Germany)
Markus Slavik [MS] (Germany)
Stephan Woelki [SW] (Germany)
Akira Nakazawa [AN] (Japan)
Yoshikazu Yorimoto [YY] (Japan)
Gemma Deler [GD] (Spain)
Juan Jose Pertegas [JP] (Spain)
Richard Fayling [RF] (USA)
Alan Finkelstein [AF] (USA)
Joseph Naujokas [JN] (USA)
Denny Warwick [DW] (USA)
Murdoch Henretty [MH] (VISA)

DM introduced himself as the new convenor of WG1 and thanked JN for his sterling work as the previous convenor. This was followed by a round of applause from the group and a brief response from JN, thanking the group for their support. DM extended his thanks to Joan Naujokas (as Secretary) and Terry Schindler (as Minutes Secretary).

4 Adoption of Report (1N1226) from Copenhagen WG1 Meeting.

The report was accepted and approved unmodified.

5 Notification of ballot date for ISO/IEC FDIS 7810

The ballot was due to start on 2003-02-06, closing on 2003-04-06. This has been delayed however, due to some reorganisation in ISO. The ballot will be closed before the next WG1 meeting in June. DW noted that changes had been made to the document by some unknown person. These include "editorial" changes that are not acceptable to WG1.

Action 1: DW will contact Freda Bennett with a view to reversing the unapproved editing of ISO/IEC 7810. SB will support as necessary.

6 Ad hoc Committee Report on U_{i6}

TS reported that a round robin had been conducted. DW TS Paul Joslin (Barnes Intl) and MA were participants. The data is shown in 1N1248. There are differences once again. In order to resolve the outstanding defect report on ISO/IEC7811-6, the US propose to increase the U_{i6} limit to accommodate the variation experienced.

MA is very much in favour of the new method and does not see this as being a source of variation. He is inclined to focus on the heads and the way they are mounted and adjusted, although he has no direct evidence to support this. He has no objection to the proposal to make the limit 7% however. He

noted, in support of his view that the PTB heads were mounted and adjusted accurately, that replacement of the normal heads with high density heads and a very high sample rate produced the same result. He is prepared to accept the need to allow an extra 2% in recognition that test equipment in the field cannot reproduce the degree of accuracy that he can achieve in with the reference equipment in the PTB laboratory.

MA further stated that he would not recommend certification of U_{i6} . At least 2 or 3% uncertainty would have to be added to the measurements. Twice this amount would have to be added to results achieved with commercial field equipment. SB and MD questioned the validity of U_{i6} measurement if this is the case.

It was noted that ID-1 manufacturers and users have continued with the status quo during the existence of the defect report. TFC manufacturers and users have concentrated on methods that avoid U_{i6} measurement, sometimes substituting alternative tests.

SB referred to the comment from Magnadata and TS agreed that the limits for TFCs will need to be set higher than those for ID-1, especially where paper substrates are used. MA agreed that the current U_{i6} methods are not relevant for TFCs and commented on the nature of the baseline noise observed. He proposed that U_{i6} requirement be eliminated for paper and composite substrates (making the requirement the subject of specific agreement between supplier and customer). The options for plastic substrates are to raise the threshold to 7% as proposed by the USA or to eliminate the filter from the test. The former was preferred.

Action 2: DW will prepare the necessary response to the defect report on ISO/IEC 7811-6 to introduce the revised criteria. SB will determine the procedure for closing this.

Action 3: SB will prepare an amendment to ISO/IEC 15457-2 to relate the U_{i6} requirement and criteria to plastic substrates only. A note will make the criteria for other substrates subject to customer/supplier agreement.

Action 4: SB will insert the U_{i6} test method into ISO/IEC 10373-2.

7 WD10373-1 Test Methods - General Characteristics (1N1222)

France commented that test methods have been added or removed without consultation. SB explained that the Opacity method was removed from the working document while an improved method was under discussion. The Embossing method was added to the working document under specific instructions from WG1.

A clause by clause review was conducted by the Project Editor, SB:

Action 5: SB will update the ISO/IEC 10373-1 working document according to the following notes.

7.1 Normative references

Germany queried whether the references should be dated or not. SB commented that this had been the subject of an editorial footnote until very recently. Not only is there the question of whether the latest edition applies but also whether older editions are still available.

Action 6: WG1 Experts are requested to review the normative references in ISO/IEC 10373-1 and -2 and to advise whether they should be dated or undated (latest edition applies).

The spelling of "specification" will be corrected.

It was proposed that the drivers licence standard ISO/IEC 18013 needs to be added to the list if it references ISO/IEC 10373. DW confirmed that it did. This raised the question of whether base

standards that reference the test methods should, in turn, be referenced by the test method standard. SB noted that this had become the established practice.

7.2 Definitions

Flammability is not currently in any of the test methods or associated base standards yet there is a definition of it. The current definition will be removed. It was noted however that France proposes to add a flammability test. If this is agreed then an appropriate definition will be reinserted.

Action 7: WG1 Experts are requested to consider the need for a flammability test and to propose such a test if they believe it necessary.

7.3 Subclause 5.4.1,2

The date of the reference standard should be 1994. This also applies to its listing in normative references. This will be corrected.

7.4 Subclause 5.3.2

The number of decimal places in the main number should match that of the tolerance. This will be corrected.

7.5 Figure 7

The radius of 0,5 mm is given without a tolerance. It was agreed to change to $\pm 0,3$. This applies also to the clamp used in the Resistance to Heat test.

It was agreed to remove *Fc* and simply mention in the text that the card is firmly clamped.

It was agreed that the "left hand end" of the sample card should appear to be of indeterminate length because it applies to all ISO/IEC 7810 card formats, not just ID-1.

7.6 Subclause 5.8 and 5.9

It was agreed to eliminate the alternative titles in brackets

7.7 Subclause 5.10 (Opacity)

It was agreed to add this test method (see 1N1180 and 1N1151) to the working document.

MA reported that he had received a recommendation for ND filters that can be bought locally but the problem is that the cost of certifying filters would be of the order of € 1,000. A larger quantity order might reduce the price to something around a quarter of this.

Action 8: DW will send MA some plastic filters ND for evaluation and recommendations.

Action 9: SB will add the proposed new Opacity test method to the WD. DW will provide an updated copy.

Note that Germany would prefer to add a third measuring point.

7.8 Subclause 5.11 (UV Light)

Japan proposed deletion of this test method on the grounds of irrelevance. UT opposed this but agreed that it might be necessary to change the test parameters. SB asked if it could be converted into a more useful test. It was decided to leave it in place on the basis of UT's objection.

7.9 Subclause 5.12 (X-rays)

There was a proposal to delete this test. This is not possible because it is invoked in ISO/IEC 7816, ISO/IEC 14443 and ISO/IEC 15693

7.10 Subclause 5.13 (E-M fields)

There was a proposal to delete this test. This is not possible because it is invoked in one or more base standards.

Action 10: SB will write to the Secretaries of WG4 and WG8 to ask whether the test methods for UV Light, X-rays and E-M fields are still required and, if so whether their current form is adequate for current needs. YY will act as a liaison with WG4.

7.11 Subclause 5.16 (Embossibility)

France commented in 1N1243 that this method is not satisfactory and make reference to comments previously made on this method when it was an annex of WD ISO/IEC 7811-1 in 1999.

DW explained that the purpose of the test was to discriminate between materials according to their ability to be embossed. SB noted that previous discussions had raised the question of whether or not the test should not concentrate on the result (the quality and form of the raised characters), independent of process. MD made a similar point – that materials that can be "embossed" by other means might be classified as not embossible.

MDe agreed with DW that an embossibility test is acceptable but it must be a proven test that produces consistent results. A show of hands showed a majority in favour of introducing an embossibility requirement into ISO/IEC 7811-1. The test will therefore remain in the ISO/IEC 10373 working document.

7.12 Flammability

France propose to reintroduce a test for this characteristic. France's proposal was first tabled in Krakow in 2002. Quantities have been tested in RATP using ISO 10093. This is a glow wire test that determines the ignition temperature. All the cards tested were above the recommended level.

The previous method suffered from variability owing to the fact that a flame is not a controlled environment and can vary in temperature and energy availability. SB proposed, and it was agreed, that this test should not be titled flammability but "ignition temperature". It was agreed that this was more appropriate than the previous test but that a requirement needs to be added to one or more base standards.

8 WD10373-2 Test Methods - Magnetic Stripes (1N1223)

A clause by clause review was conducted by the Project Editor, SB.

Action 11: SB will update the ISO/IEC 10373-2 working document according to the following notes.

8.1 Subclause 5.4 Wear test

MA reported that a better method is under development.

8.2 New U_{i6} test

Action 12: SB will introduce the new method for U_{i6} into the working document for ISO/IEC 10373-1.

8.3 Subclause 5.5 – recording current waveform

This is not appropriate to ISO/IEC 7811-7.

Action 13: MA will propose a revision to the recording current waveform suitable for testing ISO/IEC 7811-7 requirements.

9 Non-Standard Shaped and Encoded Cards.

DM noted that the last WG1 meeting received a paper from Jerry Parsons relating to some of the non-standard cards appearing on the market. JN had asked experts to seek opinions of their national bodies and to feed back pooled information to their own national bodies.

DM further reported that the UK had been approached to support the revision of the base standards to allow a certain non-standard shape to be standardised. The UK group had rejected the approach on the grounds that it would undermine the value of the base standards in establishing and maintaining international interchange. France and Germany had had similar discussions and also disapproved the proposal. Japan provided some test results that identified a number of problems with the card with one large radius corner. AN reported that almost all of 17 mechanism types investigated, almost all experienced some problem or other. Consequently, Japan is not in favour of standardising these cards. GS reported that tests on fuel pump readers showed similar problems.

JN reported that the response from ICMA members was split 50:50. However, even those who wished to see the standards accommodate these cards wished to see it do so in an "informative" way. The US NB felt that it might be more appropriate to create some kind of advisory bulletin warning those who may wish to issue such cards of the problems they are likely to encounter. It was noted that at least some of those issuing such cards actually issued two cards – one of which is a standard ID-1 card. MH reported that "companion cards" are likely to be around for while, despite problems. He further reported that a small group of US experts are in the process of assembling information to be incorporated into the advisory bulletin. TS reported that some of the companies that issue such cards have offered to supply copies of the advisory bulletins they issue their customers. This information will be made available to WG1 once it is complete.

10 Reports of Task Force Convenors

Reports will be issued for each of the task force meetings, Only task force issues referred to WG1 are reported here.

10.1 TF1

GS noted that the main issue for TF1 is to be covered in item 11.

The question of asymmetrical tolerances (L3 and L2) was raised. It was agreed that they should be made symmetrical. DW made the necessary changes to the draft.

Since the death of Tom McGeary, TF1 has no official convenor. GS has stood in for the last two meetings and DM expressed the hope that he would continue. GS agreed to continue and proposed Sud Deland as alternate. This was accepted by WG1.

10.2 TF2

Nothing for WG1 to discuss.

10.3 TF3

Nothing for WG1 to discuss.

11 Decision on whether to proceed with CD 7811-7 to FCD.

DM asked if WG1 were content for the current document to go forward to FCD stage, following adjustment to the tolerances for L2 and L3 (see 10.1 above). There was unanimous agreement that it should.

Action 14: DW will prepare FCD 7811-7.

12 AOCB.

12.1 Tactile identifier

AN presented the Japanese proposal to standardise Self Mark. It notes liaison with CEN TC224 and the UK RNIB and recommends that this technology be incorporated into International Standards. Japan plan to introduce a new work item. DM asked YY to clarify the relationship between this proposal and the work that has been done within CEN. YY reported that this is to be a collaborative effort between Japan and CEN. He invited other interested parties that have an interest in tactile identifiers to support this initiative.

12.2 WG1 web site

DM proposed that WG1 should have a web site. The main advantage is that members would be able to download documents at times of their own choosing. Notifications would be provided by email.

WG1 Experts are not happy to make a complete switch from email. It was proposed however that a web site be set up so that Experts who fail to receive documents by email can obtain them by this means. This would absolve the Secretary from having to monitor non-delivery notifications and resend documents to those that failed to receive them.

Action 15: SB will set up a download site but it will be used initially as a backup to email distribution.

12.3 Review of membership list

SB reported that the membership list had been brought up to date and was being maintained on a continual basis.

12.4 Temperature range discrepancies across SC17 standards

Action 16: MA will prepare a written contribution on the subject of "Temperature range discrepancies across SC17 standards".

12.5 WG8 test methods

When these were circulated for ballot, WG1 was omitted due to an oversight. This is the reason for sending the document out separately for comment. It appears that most WG1 experts had been able to submit comments via their national bodies but nevertheless, the the SC17 Secretary will ensure that the proper procedure is followed in future.

12.6 Optical mark for TFC

GD reported that attempts to backtrack on this requirement have had little success since the reference standard is very old and contains material that is clearly obsolete. An alternative is clearly required.

Action 17: WG1 Experts will seek alternatives to the current method of specifying Optical Marks.

12.7 Long haul travel

DM noted that some of the plenary meetings planned for the future require long haul travel for the majority of WG1 Experts if it is decided to follow the usual tradition of holding WG1 meetings in the same location. He asked the WG1 Experts if they were happy to travel to Singapore in October. By a show of hands it was agreed that the WG1 meeting would be held in Singapore.

13 Review Action Item List.

Action 1: DW will contact Freda Bennett with a view to reversing the unapproved editing of ISO/IEC 7810. SB will support as necessary.

Action 2: DW will prepare the necessary response to the defect report on ISO/IEC 7811-6 to introduce the revised criteria. SB will determine the procedure for closing this.

Action 3: SB will prepare an amendment to ISO/IEC 15457-2 to relate the U_6 requirement and criteria to plastic substrates only. A note will make the criteria for other substrates subject to customer/supplier agreement.

Action 4: SB will insert the U_6 test method into ISO/IEC 10373-2.

Action 5: SB will update the ISO/IEC 10373-1 working document according to the following notes.

Action 6: WG1 Experts are requested to review the normative references in ISO/IEC 10373-1 and -2 and to advise whether they should be dated or undated (latest edition applies).

Action 7: WG1 Experts are requested to consider the need for a flammability test and to propose such a test if they believe it necessary.

Action 8: DW will send MA some plastic filters ND for evaluation and recommendations.

Action 9: SB will add the proposed new Opacity test method to the WD. DW will provide an updated copy.

Action 10: SB will write to the Secretaries of WG4 and WG8 to ask whether the test methods for UV Light, X-rays and E-M fields are still required and, if so whether their current form is adequate for current needs. YY will act as a liason with WG4.

Action 11: SB will update the ISO/IEC 10373-2 working document according to the following notes.

Action 12: SB will introduce the new method for U_{16} into the working document for ISO/IEC 10373-1.

Action 13: MA will propose a revision to the recording current waveform suitable for testing ISO/IEC 7811-7 requirements.

Action 14: DW will prepare FCD 7811-7.

Action 15: SB will set up a download site but it will be used initially as a backup to email distribution.

Action 16: MA will prepare a written contribution on the subject of "Temperature range discrepancies across SC17 standards".

Action 17: WG1 Experts will seek alternatives to the current method of specifying Optical Marks.

14 Future Meetings.

The following meetings have been scheduled for 2003:

- 2003-06-03/05 – Paris
- October 2003, during the first half of the week of the SC17 plenary.

DM noted that hosts were required for the meetings of 2004. The UK will host one of these and the location of the plenary is in Australia. One more host is therefore required.

15 Close of the meeting

In closing the meeting, DM thanked the hosts, represented by GD, for their hospitality in providing the meeting facilities, including refreshments and midday meals. He also expressed particular appreciation for the evening meal and the excellent weather!