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Cards and personal identification

2006-06-13

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Title : Minutes for WG1 meeting 2006-06

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Minutes of Working Group 1 meeting 2006-06

The meeting was held at the DVLA Innovation Centre, Swansea, UK.

1. Opening of the meeting

The WG1 Convenor, Uwe Trüggelmann, called the meeting to order and handed over to Dr Felix Shvartsman, the TF2 convenor for the TF2 session. The minutes of the TF2 meeting are recorded in 1N1557.

2. Adoption of the draft agenda (1N1534R2)

The draft agenda was accepted but it was agreed to move the liaison items forward in the meeting sequence.

3. Introduction and roll call

Attendees introduced themselves in turn and a signing-in sheet (attached) was circulated.

4. Minutes of the previous meeting (1N1513)

The Minutes were reviewed and accepted, with no amendments.

5. Status of WG1 Standards

The following standards are the responsibility of WG1.

Experts considered the current status of each and decided what next action should be taken at this point in the standard's life cycle, if any is necessary.

5.1 ISO/IEC 7810

- The current edition is 2003.
- Consider whether there is a need to revise ISO/IEC 7810.
- Relevant action items: 2006-06/08 [complete]

WG1 considered what changes to ISO/IEC 7810 might be required apart from the accommodation of material transferred from ISO/IEC 14443-1.

The areas for improvement might include visible light opacity (show through) and card conductivity.

5.1.1 Physical requirements to be transferred from WG8 ISO/IEC 14443-1

- Report on incorporation of physical requirements from ISO/IEC 14443-1 into ISO/IEC 7810
- Relevant Action items: 2006-03/1. [complete]

The txt of a draft amendment to ISO/IEC 7810 was handed over to Steve Brunt during the meeting.

5.2 ISO/IEC 7811

5.2.1 ISO/IEC 7811-1 Identification cards – Recording technique – Part 1: Embossing

- The current edition is 2002.
- New work item will involve an amendment to ISO/IEC 7811-1.

After discussion, it was agreed that the new work item (see 5.2.1.2) will not result in a revision of ISO/IEC 7811-1.

5.2.1.2 Self-Mark (ISO/IEC 7811-1/Amd 1)

- Disposition of comments on Work Item ballot 1N1518.
- Japan's comments on Work Item ballot 1N1520.
- Braille information 1N1521.
- To discuss conduct of work item.
- Relevant Action items: 2006-03/08, 2006-03/09 [complete]

The name agreed in Barcelona was TIM (Tactile Identification Mark).

John Gill reported that EN1332-5 contains options, encompassing the Japanese proposal already received. Steve Brunt proposed that the draft CEN standard EN1332-5 be taken as a starting point, i.e. the first working document. However, after discussion, WG1 decided it would be correct to take the original proposal as defined in the work item documentation as the starting point but to take EN 1332-5 into consideration.

Action 2006-06/01: Laurence Robles will ask Catherine Protic to send Denny Warwick (the Project Editor for this work) a copy of the current documentation for EN1332-5 in Word format.

Action 2006-06/02: Denny Warwick will prepare a new working document for the Tactile Identification Mark (TIM) based on the work item description.

Action 2006-06/03: Steve Brunt will distribute a copy of EN1332-5 to the WG1 Experts.

It was agreed that the document should form a new part of ISO/IEC 7811, i.e. part 9.

5.2.2 ISO/IEC 7811-2

- The current edition is 2001.
- Report on progress towards finding a new source of low coercivity reference material. Note from Kevin Tall 1N1519 and email forwarded by the Secretary 2006-05-03 Results table 1N1546.
- French contribution 1N1535.
- Relevant Action items: 2006-03/03 [complete]

Kevin Tall reported that 5 RMC candidates had been evaluated. The results are shown in 1N1546.

It appears that most people have chosen RMC3 as being the most consistent.

Reference current measurements show that RMC3 is much closer to the existing standard reference current.

Resolution is also best for RMC3.

Accordingly, WG1 confirmed the selection of RMC3 as the new ISO/IEC 7811-2 reference material.

Action 2006-06/04: Kevin Tall will write a covering report for the RMC evaluation results table 1N1546 for inclusion in the WG1 document set.

Martin Albrecht reported that PTB is happy to certify the cards but has no funding to manufacture them. He suggested that maybe 2 000 cards would be sufficient to meet demand over the remaining lifetime of the standard. It was confirmed that this would not be a problem.

Action 2006-06/05: Kevin Tall will draft a letter to the RMC contributors thanking them for their contributions.

Terry Schindler asked how many years 2 000 cards would last. Martin Albrecht responded that his estimate was for at least ten years.

The new material will be designated RM7811-2 batch E.

5.2.3 ISO/IEC 7811-6

- The current edition is 2001 with Amd 1 (U_{16}) 2005.

There was nothing to discuss.

5.2.4 ISO/IEC 7811-7

- The current edition is 2004.

There was nothing to discuss.

5.2.5 ISO/IEC 7811-8

- This is a new part of ISO/IEC 7811.
- Barnes statement re test heads for 650 Oersted stripes 1N1522.
- FCD ISO/IEC 7811-8 1N1517 has been sent for ballot but the due date is not yet known.
- Relevant Action items: 2006-03/02 [complete]

There is nothing to be done until the ballot result is returned.

Despite the assurances from Barnes and QCard, Martin Albrecht notified WG1 that PTB will not certify the reference material for use with ISO/IEC 7811-8.

5.3 ISO/IEC 8484

- Note that the FCD Ballot 17N2962 is due to end on 2006-06-27.

There is nothing to be done until the ballot result is known.

5.5 ISO/IEC 10373-1, -2, -3

5.5.1 ISO/IEC 10373-1 Identification cards - Test methods - Part 1 General characteristics

- The current edition is 2006.

- The FDIS has been approved (see 17N2983) and is proceeding to publication.
- Related Action items: 2005-06/08 [complete]

The new edition is now available, or will be shortly.

5.5.2 ISO/IEC 10373-2 Identification cards - Test methods – Part 2 Magnetic stripes.

- The current edition is 2006.
- The FDIS has been approved (see 17N2969) but with comments.
- Review and resolve FDIS ballot comments and return with a Disposition of Comments to SC17 for publication.

The ballot comments were reviewed, with the following consequent actions:

Action 2006-06/06: Steve Brunt will capture the relevant material from the current edition of ISO 2409 and insert it into ISO/IEC 10373-2.

Action 2006-06/07: Steve Brunt will change the reference in ISO/IEC 10373-2 from IEC 454-2 to IEC 60454-2.

5.6 ISO/IEC 15457

5.6.1 ISO/IEC 15457-1 Identification Cards – Thin flexible cards - Part 1: Physical characteristics

- The current edition is 2001.
- Review Disposition of Comments on CD ISO/IEC 15457-1 1N1532.
- US comments 1N1549. French comments 1N1554.
- Report on incorporation of physical requirements from ISO/IEC 14443-1 into ISO/IEC 15457-1 (see Action 2006-03/1). Comments from Pascal Roux 1N1538.
- Review draft FCD ISO/IEC 15457-1:2006-05 1N1531R2 and consider sending for FCD ballot.
- Relevant Actions: 2006-03/06 [complete]

The review of the comments on the draft FCD resulted in the following instructions being given to the Project Editor, Steve Brunt:

- Renumber definitions;
- Check alignment in contents table (suspect intrusive tabs in headings);
- The diameters in the ticket reel figure are D_0 and D_i not D_0 and D_1 ;
- Search and destroy “minutes” instead where used instead of decimal degrees;
- Eliminate the conflict between the default TFC operating temperature in 4.7.3 and that specified for contactless TFCs in 8.10;
- Insert new values for B.2.1 – information to be supplied by Michel Dancygier;
- Revise stiffness values – information to be supplied by Michel Dancygier.

Action 2006-06/08: Michel Dancygier will resolve delamination resistance and stiffness issues in ISO/IEC 15457-1 Annex B

Action 2006-06/09: Once the additional information has been received from Michel Dancygier, Steve Brunt will update the draft FCD 15457-1 and send it to SC17 for FCD ballot.

5.6.2 ISO/IEC 15457-2 Identification Cards – Thin flexible cards - Part 2: Magnetic recording technique

- The current edition is 2001.

WG1 concluded that there are no known issues that require attention but that an editorial review should be conducted by the Project Editor to ensure that the standard remains up to date.

Action 2006-06/10: Steve Brunt will review the references in ISO/IEC 15457-2 to make sure they are up to date and submit the document to SC17 for FDIS ballot.

5.6.3 ISO/IEC 15457-3 Identification Cards – Thin flexible cards - Part 3: Test Methods.

- The current edition is 2002.
- Review draft FCD ISO/IEC 15457-3:2006-05 1N1533 and consider sending for FCD ballot.
- French comments 1N1555.
- Relevant Action items: 2005-06/09 [continuing], 2006-03/07 [complete]

A review of the comments resulted in the following instructions being given to the Project Editor, Steve Brunt:

- Delete 8.4;
- In 8.3.3 replace 2,5 – 5,0 daN by 7,5 +/- 0,5 daN;
- Replace daN and other non-approved forms by approved forms.
- change “reading distance” to “maximum reading distance” as appropriate, adding words to ensure that the relative orientation is constant between readings too.

Action 2006-06/11: Michel Dancygier will resolve the “tbd” values in clause 8 of 1N1533

Action 2006-06/12: Steve Brunt will fix FCD 15457-3 once the new information has been received from Michel Dancygier. He will then send the document for FCD ballot.

6. Liaison with other WGs

6.1 Liaison with WG8 over Low Usage Contactless Cards

- ISO/IEC CD 14443-1 was approved, with two negative votes.
- To advise WG8 of WG1's progress (Action 2006-03/1) regarding integration of physical requirements items transferred from ISO/IEC 14443-1 to ISO/IEC 7810 and/or ISO/IEC 15457-1).

Steve Brunt reported that the requirements from ISO/IEC 14443-1 had been incorporated into the ISO/IEC 15457-1 draft.

Denny Warwick produced the text for a draft amendment to ISO/IEC 7810 during the course of the meeting.

Marty Frary reported that there had been some discussion in WG8 and the changes to ISO/IEC 14443-1 had been held up because the necessary changes to ISO/IEC 7810 had not yet been implemented.

Kevin Tall asked that care should be taken to ensure that tests are not be applied to cards to which they have no relevance, for example, application of X-Ray requirements to cards that have no chip.

6.2 Liaison with WG3 over passport test methods

- [Report on ad hoc liaison meeting 1N1526. WG1 Convenor report 1N1541.](#)
- [Liaison contribution from CEN TC224 1N1524.](#)
- [Revised MRP testing document 1N1539 1N1551.](#)
- [DIN comments 1N1542.](#)
- [AFNOR Comments on durability tests 1N1529](#)

Uwe Trüggelmann reported on the liaison meeting. WG3/TF4 will be discussing the proposed revised test document 1N1551 next week.

Uwe Trüggelmann asked WG1 Experts whether they were willing to work on MRP test methods. Laurence Robles responded that she at least was already involved in this work. WG3/TF4 has now completed its current mandate from ICAO and it is probable that a decision will have to be made as to where the further development should take place.

Marty Frary commented that there were a number of issues to be resolved, primarily due to the complex construction of MRPs and the permissible variations on that construction. WG1's expertise in the area of plastic, paper and laminated cards is relevant but far from encompassing the complete range of technology involved. He asked whether the WG1 Experts had considered testing at inlay level rather than at booklet level. Others had done so but it was noted that the philosophy normally adopted by WG1 is for the base standard to define and the test methods to test, the final product, rather than the components.

A straw poll indicated that some WG1 Experts are willing to work on MRP test methods but others are not. Uwe Trüggelmann will refer the matter to SC17 but it would appear that a task force approach would be most appropriate.

Action 2006-06/13: Uwe Trüggelmann and Steve Brunt will respond to the TC224 contribution 1N1524.

7. Any other WG1 business

7.1 SC17 Standing document 2

- [The Secretary is preparing a WG1 position paper in time for the October SC17 Plenary. Comments and contributions from WG1 Experts and their Member Bodies are invited.](#)
- [Relevant Actions: 2006-03/04 \[complete\], 2006-03/05 \[complete\]](#)

Action 2006-06/14: Steve Brunt will draft a proposed revision of SD2 and circulate for to WG1 Experts for comment before sending to Freda Bennett.

8. Review of action item list

8.1 Completed or terminated actions

The following actions were declared completed:

Action 2005-06/08: Martin Albrecht will send to Steve Brunt for distribution the table of results of the tests done by PTB and Eclipse. [showing discrepancies in the results obtained by Eclipse and PTB using the new opacity test method] **[Complete 2006-06]**

Action 2006-03/01: Agreed that physical requirements from ISO/IEC 14443-1 will be incorporated into ISO/IEC 7810 and ISO/IEC 15457-1. Steve Brunt and Denny Warwick will collaborate to do this. The requirements will need to be explicitly identified. Steve Brunt will do a search for these. **[Complete 2006-06]**

Action 2006-03/02: Denny Warwick will prepare an FCD 7811-8, incorporating the Japanese comments in 1N1511, and send it to SC17 for ballot. [FCD delivered to Steve Brunt during the meeting] **[Complete 2006-06]**

Action 2006-03/03: Evaluation of RMC 7811-2 cards to be complete and results returned to Kevin Tall by the end of April 2006. **[Complete 2006-06]**

Action 2006-03/04: It was agreed that Steve Brunt send a response to SC17 Resolution 546/05 that cites SD2 as a justification for not including 15457-3 in 10373. **[Complete 2006-06]**

Action 2006-03/05: Experts wishing to make recommendations regarding SD2 should send these to Steve Brunt for consolidation by the end of mid-April 2006. **[Complete 2006-06]**

Action 2006-03/06: Steve Brunt will resolve the ballot comments for 15457-1 by fixing the editorial comments with reference to the helpful French responses. He will then produce an FCD and DOC for the June meeting, where a decision will be made as to the next step. **[Complete 2006-06]**

Action 2006-03/07: Steve Brunt will insert/update the new tests into the draft FCD ISO/IEC 15457-3 and bring the document back to the June meeting as a draft FCD. **[Complete 2006-06]**

Action 2006-03/08: Denny Warwick and Akira Nakazawa will produce a Disposition of Comments for the ballot on the Self-Mark New Work Item and send it to Steve Brunt who will send it, with a covering letter, referring to the agreement to participate on the part of France and Germany, to the SC17 Secretary. **[Complete 2006-06]**

Action 2006-03/09: Steve Brunt will distribute the relevant SC17 documents to the WG1 Experts in preparation for the start of the work on Self-Mark work item. **[Complete 2006-06]**

8.2 Continuing and new actions

The following actions were carried forward or newly created at the 2006-06 meeting:

Action 2005-06/09: Steve Brunt will provide information and comment relating to stripe width measurement problems for (paper) TFCs. **[Continuing 2006-06]**

Action 2006-06/01: Laurence Robles will ask Catherine Protic to send Denny Warwick (the Project Editor for this work) a copy of the current documentation for EN1332-5 in Word format.

Action 2006-06/02: Denny Warwick will prepare a new working document for the Tactile Identification Mark (TIM) based on the work item description.

Action 2006-06/03: Steve Brunt will distribute a copy of EN1332-5 to the WG1 Experts.

Action 2006-06/04: Kevin Tall will write a covering report for the RMC evaluation results table 1N1546 for inclusion in the WG1 document set.

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Action 2006-06/06: Steve Brunt will capture the relevant material from the current edition of ISO 2409 and insert it into ISO/IEC 10373-2.

Action 2006-06/07: Steve Brunt will change the reference in ISO/IEC 10373-2 from IEC 454-2 to IEC 60454-2.

Action 2006-06/08: Michel Dancygier will resolve delamination resistance and stiffness issues in ISO/IEC 15457-1 Annex B

Action 2006-06/09: Once the additional information has been received from Michel Dancygier, **Steve Brunt** will update the draft FCD 15457-1 and send it to SC17 for FCD ballot.

Action 2006-06/10: Steve Brunt will review the references in ISO/IEC 15457-2 to make sure they are up to date and submit the document to SC17 for FDIS ballot.

Action 2006-06/11: Michel Dancygier will resolve the “tbd” values in clause 8 of 1N1533

Action 2006-06/12: Steve Brunt will fix FCD 15457-3 once the new information has been received from Michel Dancygier. He will then send the document for FCD ballot.

Action 2006-06/13: Uwe Trüggelmann and Steve Brunt will respond to the TC224 contribution 1N1524.

Action 2006-06/14: Steve Brunt will draft a proposed revision of SD2 and circulate for to WG1 Experts for comment before sending to Freda Bennett.

9. Future Meetings.

Subsequent meetings will be held in;

- Paris, 2nd to 4th of October.
- Braunschweig, March 2007
- Japan, June 2007
- Berlin?, October 2007

Thanks to hosts

Uwe Trüggelmann thanked DVLA for their excellent hospitality. He specifically mentioned the meeting facilities, food, refreshments and information.

WAI Meeting 2006-06-07

<u>Name</u>	<u>Organisation</u>	<u>Representing</u>
KEVIN TALL	ECLIPSE LABORATORIES	U.S.A.
JOHN STRAENS	MAGTEK INC	U.S.A.
MARCO BALATTI	INEOS FILMS CARDS BUSINESS	ITALY
GENE MEIER	Datacard Group	USA
MARTY FRARY	HID GLOBAL	USA
ADAM POLACZUK	CARD TESTING INTERNATIONAL	N.Z.
PAUL JOSLIN	BARNES INTERNATIONAL LTD	U.K.
Laurence ROBLES	GENALTO	Fr.
Nichol DANCYCIEN	THALES TRANSPORTATION SYSTEMS	France
Bruno Takano	Genalto	France
LUIZ FERREIRA	MASTER CARD INT	Belgium
Uwe Trüggebaum	TRUGGEBAUW LTD	UK
Felix Shvartsman	HID Global	USA
Steve Brunt	Steve Brunt Consultancy	UK
Terry Schindler	Brush / Q Card	USA
David May	Consultant	UK
STEVE SCHWARTZ	KURZ TRANSFER PRODUCTS	USA
TAM McGRATH	AMERICAN BANKNOTE HOLOGRAPHICS	USA
Denny Warwick	Datacard	USA
Martin Albrecht	PTB	Germany
Günter Endres	GSD	Germany
Uwe Nender	Kurz Germany	Germany
Akira Nakazawa	NIDEC SANKYO CORPORATION	Japan
John Gill	RNIB	