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Title : WG1 minutes for 2007-03

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Minutes of the WG1 meeting, PTB, Braunschweig, 2007-03

1. Opening of the meeting

Uwe Trüggelmann, the WG1 Convenor, called the meeting to order at 09.00 on 2007-03-06 and handed over to Dr Felix Shvartsman, the TF2 convenor, for the TF2 session.

Minutes of the TF2 session are the subject of a separate report.

Following the TF2 session, the WG1 session recommenced, proceeding as follows:

2. Adoption of the draft agenda

The agenda 1N1616R2 was adopted unchanged.

3. Introduction and roll call

The WG1 Experts introduced themselves in turn and a signing-in sheet (attached) was circulated.

4. Adoption of report from the previous meeting

The minutes of the previous meeting 1N1589 were reviewed and accepted unchanged.

5. Review of WG1 Standards

WG1 reviewed the following standards for which it bears responsibility.

5.1 ISO/IEC 7810

The current edition is 2003.

Action 2006-10/03: WG1 Experts are requested to consult their national bodies and liaison organisations as to whether ISO/IEC 7810 should be opened up for review now or left until the end of its normal 5 year review period.

Next step - WG1 will consider the recommendations received and decide whether or not to open this document for review.

Agreed: WG1 agreed that 7810 should be opened up for review.

Action 2007-03/01: Steve Brunt will inform SC17 formally that ISO/IEC 7810 is being opened up for revision.

Action 2007-03/02: All experts will consult with their national bodies or liaison organisations to identify material to be incorporated into the forthcoming revision of ISO/IEC 7810.

Action 2007-03/03: The ISO/IEC 7810 Project Editor, Denny Warwick, will produce a new working document (1N1640) of ISO/IEC 7810 for the next meeting.

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

Action 2006-10/01: Steve Brunt will notify WG4 that the ESD requirement from ISO/IEC 7816 has to be inserted into ISO/IEC 7810. The reason is that, although there is no common requirement, there is sufficient similarity to co-locate the two sets of ESD requirements from ISO/IEC 7816 and ISO/IEC 14443. He will also inform WG4 and WG8 that the corresponding ESD tests will have to be moved into ISO/IEC 10373-1 from ISO/IEC 10373-3, -6 and -7.

Status – The WG1 Convenor wrote to the WG4 Convenor 2006-10-11.

Action 2006-10/02: Denny Warwick will produce a disposition of comments for the draft common information ballot and a draft amendment for ISO/IEC 7810. Steve Brunt will send these to SC17 and request a ballot of the draft amendment.

Status – DOC and DAM sent to SC17 on 2006-10-10. Ballot 17N3129 closed 2007-01-24 after extension 17N3176. Ballot result in 17N3188 has 5 negative votes and comments.

Next step - WG1 will review the ballot and attempt to resolve the comments.

Note: The original WG1 number of the document is 1N1593.

Discussion: The ballot comments were reviewed and WG1's responses to those comments were recorded by the Project Editor, Denny Warwick. Those responses included:

- WG1 agreed to remove 9.5 from the draft amendment. The German experts confirmed they would withdraw their opposition in consequence.
- The cross-reference to 10373-3 (should be 10373-6) was made more specific to the "Static electricity test" in 10373-6. It was decided not to risk giving exact sub-clause number in anticipation of future document reorganisation.

Action 2007-03/04: The ISO/IEC 7810 Project Editor, Denny Warwick, will produce a disposition of comments (1N1639) and a revised draft (1N1638) for new ballot of 7810 FDAM1.

5.1.2 Opacity

Action 2006-10/04: WG1 Experts are requested to obtain data relating to the new opacity test in ISO/IEC 10373-1 method so as to assist in establishing the ISO/IEC 7810 criteria.

Next step - WG1 will discuss and consider any data received.

Discussion: Comments from USA (1N1616) and France (1N1632) will be absorbed into the forthcoming review of ISO/IEC 7810. It was agreed that the US proposal should be incorporated into the new working document being prepared by Denny Warwick.

Action 2007-03/05: The ISO/IEC 7810 Project Editor, Denny Warwick, will incorporate the US proposal in 1N1616 into the new working document for ISO/IEC 7810 (1N1640)

5.1.3 ESD

Action 2006-10/05: WG1 Experts are requested to propose forms of words to extend the scope of 3.14 of ISO/IEC 7810 to cover influences such as the conducting of electrostatic discharge currents. Experts should also comment on the advisability of doing this.

Next step - WG1 Experts will discuss any proposals and comments received and decide whether or not 3.14 of ISO/IEC 7810 requires augmentation.

Discussion: No proposals or comments received. Further consideration will be absorbed into the forthcoming review of ISO/IEC 7810.

5.2 ISO/IEC 7811

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

The current edition is 2002.

No need for further work on ISO/IEC 7811-1 is envisaged at present.

5.2.2 ISO/IEC 7811-2

The current edition is 2001.

No need for further work on ISO/IEC 7811-2 is envisaged at present.

Discussion: Martin Albrecht reported that work on the new reference material is progressing satisfactorily.

5.2.3 ISO/IEC 7811-6

The current edition is 2001 with Amd 1 (U_6) 2005.

The standard is now open for routine review. No issues are known other than the existing amendment.

Action 2006-10/06: Denny Warwick will produce a draft FCD of ISO/IEC 7811-6 to be approved for FCD ballot at the next meeting.

Next step - WG1 will discuss 1N1601 (WD 7811-6) and decide whether it should go to SC17 for FCD ballot.

Discussion: The document was reviewed clause by clause and a number of editorial changes identified.

Action 2007-03/06: The ISO/IEC 7811-6 Project Editor, Denny Warwick, will update the draft FCD of ISO/IEC 7811-6 and send it to Steve Brunt to liaise with SC17 to arrange an FCD ballot.

5.2.4 ISO/IEC 7811-7

The current edition is 2004

There are no outstanding issues. No action is required.

5.2.5 ISO/IEC 7811-8

This is a new part of ISO/IEC 7811.

Action 2006-10/07: Steve Brunt will write formally to Martin Albrecht to enquire what form of words would satisfy the PTB regarding guarantees and liability for use of the RM 7811-2 in ISO/IEC 7811-8 calibration. He will pass the response on to Denny Warwick.

Status – Since the PTB form of words (1N1608) would leave the standard with a reference card (calibration medium) for which the supplier was not prepared to agree as fit for purpose, it was decided to withdraw the document from FDIS ballot and to refer the issue for resolution to the WG1 Experts at its March 2007 meeting.

Action 2006-10/08: Denny Warwick will make the necessary modifications to ISO/IEC FDIS 7811-8 to incorporate the form of words specified by PTB (see Action 2006-10/07) and send the result to Steve Brunt to arrange the FDIS ballot.

Status – The action was not completed but, instead, the FDIS (1N1595) was withdrawn from ballot (see 17N3195) pending resolution of the reference card issue.

Next step - WG1 will discuss and resolve the issue of the reference card for ISO/IEC 7811-8.

Discussion: The problem created by the proposed use of RM7811-2 as a reference for ISO/IEC 7811-8. Martin Albrecht explained that, although it may be OK to use RM7811-2 in this way, PTB cannot risk being held responsible for the use of the product for a purpose for which it has not been certified.

Steve Brunt argued for a revised form of words that, while preserving the PTB position, would provide some comfort to customers that WG1 recommends the use of RM7811-8. It was generally agreed that it is unacceptable to publish a standard that contains a measurement method that does not have a certified calibration medium. Meanwhile, Kevin Tall had offered to source the reference media but would retain the designation RM7811-2 (based on WG1's agreement that the 7811-2 reference material was satisfactory as a reference material for 7811-8. A break was called in order to allow Martin Albrecht and Denny Warwick to conduct a discussion off line and to clarify their respective positions.

At the conclusion of that discussion, it was agreed that Martin Albrecht should continue his dialogue with Denny Warwick, Kevin Tall and others to arrive at an acceptable solution to the impasse in time for the next WG1 meeting, in Kyoto.

Action 2007-03/07: Martin Albrecht will define the activities necessary to be able to certify the RM7811-2 material as an ISO/IEC 7811-8 reference and consult with Terry Schindler, Denny Warwick and others as to how these activities might be carried out.

5.2.6 ISO/IEC 7811-9

Action 2006-10/09: Denny Warwick will update the working document for ISO/IEC 7811-9 in line with the changes agreed at the 2006-10 meeting and prepare it for CD ballot. Steve Brunt will then arrange for a CD ballot so as to obtain a result in time for the March meeting.

Status – 1N1596 was sent to SC17 for CD ballot on 2006-11-14. Ballot (17N3178) closes on 2007-03-01. The ballot result was received during the meeting and shows 2 negative votes (Germany and France) to be resolved.

Next step – WG1 will discuss and resolve the comments from the ballot.

Discussion: The negative votes were addressed and WG1's responses to the comments were recorded by the Project Editor, Denny Warwick. The responses included the following:

- It was agreed to modify the definition of embossed in 7811-9 and to replace it with a somewhat expanded version of the definition in 7811-1.
- It was agreed that the word "embossed" is in fact suitable since it describes the raising of characters in relief from the surface. [SLB to insert OED definition]
- It was agreed that the suggestion of locating the TIM within the name and address area could be accepted. This involves slightly changing dimension c to shift the TIM to the right, then altering b and d to keep the TIM within the vertical limits of the name and address area.
- The dimension b shown in the figure is wrongly constructed – it is in fact the height of the TIM, not the distance from the reference edge to the top of the TIM.
- It was agreed that the word "embossing" should be removed from the second sentence of 4.1.
- The concerns regarding unrealistic dimensioning of the dot (Figure 3) were addressed by eliminating the upper diameter and corner radius, as proposed by

Germany, and setting the minimum height at 0,3 mm. This will be supplemented by illustrations.

- Martin Winkler proposed that the height should be set at 0,15 mm. This was not accepted since it was impossible to feel unless there was some other distinguishing feature (e.g. difference of texture, sharpness of edge) of the dots.
- The editorial error in figure 2 was corrected.
- It was agreed to add a note warning that embossing might damage antennas and other electronics.

The comments were thereby resolved to the satisfaction of those experts present.

A submission from VISA was examined (1N1614) and the proposal regarding an alternative TIM location discussed. It was not possible however to accept that proposal.

5.3 ISO/IEC 8484

Action 2006-10/10: Denny Warwick will produce an FDIS for ISO/IEC 8484. Steve Brunt will send it to SC17 for ballot.

Status – 1N1597 was sent to SC17 for ballot on 2006-10-10. Ballot closes 2007-03-01.

Next step – WG1 will discuss and resolve any comments from the ballot.

Discussion: No discussion was possible since the ballot had not been received nor had it been posted on the SC17 web site by the time of the meeting.

5.5 ISO/IEC 10373-1, -2

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

The current edition is 2006.

ISO/IEC 10373-3 is currently under revision by WG4 (see 1N1625 and 1N1627). WG1 are requested to incorporate material removed from Part 3 into Part 1 (see 1N1626).

Additional material and changes (if any) due to the revision of ISO/IEC 7810 by incorporation of requirements from ISO/IEC 14443-1 could also be incorporated.

However, WG1 must take into consideration that the current edition is less than one year old.

Discussion: It was decided that the best approach should be to create an amendment for ISO/IEC 10373-1, rather than conduct a revision at this point in time. The document containing the items to be imported (1N1626) was reviewed.

Note: The front sheet of 1N1626 bears the incorrect number 1N1616 and this will be corrected by the WG1 Secretary [SLB].

Action 2007-03/08: 5.2 of 1N1626 calls for a mil standard. If possible, an IEC standard should be substituted. WG1 Experts will make relevant comments and suggestions.

It was agreed that the 3-wheel test should be made normative. This then will be referenced by the CSL standard.

Action 2007-03/09: WG1 Experts will make comments and suggestions for improvement of the three wheel test to be made normative in ISO/IEC 10373-1

Action 2007-03/10: The ISO/IEC 10373-1 Project Editor, Steve Brunt, will prepare a working document for the amendment of ISO/IEC 10373-1 based on 1N1626.

The future organisation of 10373-1 was discussed and proposals invited as to how it might need to be restructured to accommodate CSL and other material.

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

The current edition is 2006.

WG1 will consider what revisions (if any) of ISO/IEC 10373-2 are required to accommodate ISO/IEC 7811-8 and the conditions attached to the use of RM7811-2 reference cards.

However, WG1 must take into consideration that the current edition is less than one year old.

Discussion: It was agreed that the test method requirements of ISO/IEC 7811-8 should be accommodated by adding an annex into ISO/IEC 7811-8. The material is contained in 1N1616.

Action 2007-03/11: The ISO/IEC 7811-8 Project Editor, Denny Warwick, will add the test method annex (see 1N1616) to the (withdrawn) FDIS of ISO/IEC 7811-8 and send it to Steve Brunt for distribution to WG1 for approval for FDIS ballot at the next meeting

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.

Action 2006-10/11: Steve Brunt will update the working document for ISO/IEC 15457-1 and send it for FCD ballot, concurrent with the other two parts of ISO/IEC 15457.

Status – FCD in 17N3168. DOC in 17N3171. FCD ballot posted 2006-11-28. Due date 12007-03-29.

Action 2006-10/12: Michel Dancygier will provide WG1 with a copy of the results underpinning the recommended values in 1N1576. Steve Brunt will register these as a WG1 document and cross-reference them to 1N1576.

Status – The requested results were received and issued in 1N1610.

Next step - Nothing can be done until the FCD ballot result is received.

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

The current edition is 2001.

Action 2006-10/13: Steve Brunt will finalise the draft of ISO/IEC 15457-2 and send it for FDIS ballot, concurrent with the other two parts of ISO/IEC 15457.

Status – FDIS in 17N3170. FDIS Ballot posted 2006-11-28. Ballot opened 17N3204 with due date 2007-04-05.

Next step - Nothing can be done until the FDIS ballot result is received.

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

The current edition is 2002.

Action 2006-10/14: Steve Brunt will finalise the draft of ISO/IEC 15457-3 and send it for FCD ballot, concurrent with the other two parts of ISO/IEC 15457.

Status – FCD in 17N3169. FCD Ballot posted 2006-11-28. Due date 2007-03-29.

Next step - Nothing can be done until the FCD ballot result is received.

6. Liaison with other WGs

6.1 Liaison with WG8 over Low Usage Contactless Cards

Status: The 2nd CD ballot of ISO/IEC 14443-1 was extended by 17N3136 to 2007-01-24. The ballot result in 17N3189 included 3 negative votes that were subsequently resolved by WG8. The FCD was created and issued by WG1 as 1N1618 with the DOC in 1N1619. The FCD Ballot is in 17N3205 and has a closing date of 2007-06-16.

Next step: Nothing can be done until the ballot result is received.

6.2 Liaison with WG3 over passport test methods

There are currently no activities requiring WG1 assistance.

6.3 Liaison with CEN TC224.

There has been no further correspondence.

6.4 SC17 Standing document 2

Action 2006-10/15: Steve Brunt will produce a revised version of SD2, taking account of the agreed disposition of the US comments, and send it to SC17 for issue.

Status – 1N1603 (revised document) and 1N1604 (disposition of comments) was sent to SC17 2006-11-14. However, this still has not replaced the 2006-08-30 version on the SC17 web site. A further reminder was sent to SC17 on 2007-03-01.

7. Any other WG1 business

No other WG1 business was raised for discussion.

8. Review Action Item List.

8.1 Actions from previous meetings

Action 2006-10/01: Steve Brunt will notify WG4 that the ESD requirement from ISO/IEC 7816 has to be inserted into ISO/IEC 7810. The reason is that, although there is no common requirement, there is sufficient similarity to co-locate the two sets of ESD requirements from ISO/IEC 7816 and ISO/IEC 14443. He will also inform WG4 and WG8 that the corresponding ESD tests will have to be moved into ISO/IEC 10373-1 from ISO/IEC 10373-3, -6 and -7. [complete]

Action 2006-10/02: Denny Warwick will produce a disposition of comments for the draft common information ballot and a draft amendment for ISO/IEC 7810. Steve Brunt will send these to SC17 and request a ballot of the draft amendment. [complete]

Action 2006-10/03: WG1 Experts are requested to consult their national bodies and liaison organisations as to whether ISO/IEC 7810 should be opened up for review now or left until the end of its normal 5 year review period. [complete]

Action 2006-10/04: WG1 Experts are requested to obtain data relating to the new opacity test in ISO/IEC 10373-1 method so as to assist in establishing the ISO/IEC 7810 criteria. [continuing]

Action 2006-10/05: WG1 Experts are requested to propose forms of words to extend the scope of 3.14 of ISO/IEC 7810 to cover influences such as the conducting of electrostatic discharge currents. Experts should also comment on the advisability of doing this. [continuing]

Action 2006-10/06: Denny Warwick will produce a draft FCD of ISO/IEC 7811-6 to be approved for FCD ballot at the next meeting. [complete]

Action 2006-10/07: Steve Brunt will write formally to Martin Albrecht to enquire what form of words would satisfy the PTB regarding guarantees and liability for use of the RM 7811-2 in ISO/IEC 7811-8 calibration. He will pass the response on to Denny Warwick. [complete]

Action 2006-10/08: Denny Warwick will make the necessary modifications to ISO/IEC FDIS 7811-8 to incorporate the form of words specified by PTB (see Action 2006-10/07) and send the result to Steve Brunt to arrange the FDIS ballot. [superseded]

Action 2006-10/09: Denny Warwick will update the working document for ISO/IEC 7811-9 in line with the changes agreed at the 2006-10 meeting and prepare it for CD ballot. Steve Brunt will then arrange for a CD ballot so as to obtain a result in time for the March meeting. [complete]

Action 2006-10/10: Denny Warwick will produce an FDIS for ISO/IEC 8484. Steve Brunt will send it to SC17 for ballot. [complete]

Action 2006-10/11: Steve Brunt will update the working document for ISO/IEC 15457-1 and send it for FCD ballot, concurrent with the other two parts of ISO/IEC 15457. [complete]

Action 2006-10/12: Michel Dancygier will provide WG1 with a copy of the results underpinning the recommended values in 1N1576. Steve Brunt will register these as a WG1 document and cross-reference them to 1N1576. [complete]

Action 2006-10/13: Steve Brunt will finalise the draft of ISO/IEC 15457-2 and send it for FDIS ballot, concurrent with the other two parts of ISO/IEC 15457 [complete].

Action 2006-10/14: Steve Brunt will finalise the draft of ISO/IEC 15457-3 and send it for FCD ballot, concurrent with the other two parts of ISO/IEC 15457. [complete]

Action 2006-10/15: Steve Brunt will produce a revised version of SD2, taking account of the agreed disposition of the US comments, and send it to SC17 for issue. [complete]

8.2 Actions from the 2007-03 meeting

Action 2007-03/01: Steve Brunt will inform SC17 formally that ISO/IEC 7810 is being opened up for revision.

Action 2007-03/02: All experts will consult with their national bodies or liaison organisations to identify material to be incorporated into the forthcoming revision of ISO/IEC 7810.

Action 2007-03/03: The ISO/IEC 7810 Project Editor, Denny Warwick, will produce a new working document (1N1640) of ISO/IEC 7810 for the next meeting.

Action 2007-03/04: The 7810 Project Editor, Denny Warwick, will produce a disposition of comments (1N1639) and a revised draft (1N1638) for new ballot of 7810 FDAM1.

Action 2007-03/05: The ISO/IEC 7810 Project Editor, Denny Warwick, will incorporate the US proposal in 1N1616 into the new working document for ISO/IEC 7810 (1N1640)

Action 2007-03/06: The ISO/IEC 7811-6 Project Editor, Denny Warwick, will update the draft FCD of ISO/IEC 7811-6 and send it to Steve Brunt to liaise with SC17 to arrange an FCD ballot.

Action 2007-03/07: Martin Albrecht will define the activities necessary to be able to certify the RM7811-2 material as an ISO/IEC 7811-8 reference and consult with Terry Schindler, Denny Warwick and others as to how these activities might be carried out.

Action 2007-03/08: 5.2 of 1N1626 calls for a mil standard. If possible, an IEC standard should be substituted. WG1 Experts will make relevant comments and suggestions.

Action 2007-03/09: WG1 Experts will make comments and suggestions for improvement of the three wheel test to be made normative in ISO/IEC 10373-1

Action 2007-03/10: The ISO/IEC 10373-1 Project Editor, Steve Brunt, will prepare a working document for the amendment of ISO/IEC 10373-1 based on 1N1626..

Action 2007-03/11: The ISO/IEC 7811-8 Project Editor, Denny Warwick, will add the test method annex (see 1N1616) to the (withdrawn) FDIS of ISO/IEC 7811-8 and send it to Steve Brunt for distribution to WG1 for approval for FDIS ballot at the next meeting

9. Future Meetings.

Subsequent meetings will be held as follows:

- Kyoto, 5th – 7th June 2007
- Berlin, October 2007
- TBD, March 2007
- Washington DC, USA, June 2008

Signing-in sheet for WGI 2007-03

Name	Organisation	Country
Steve Brunt	WGI Secretariat	UK
Uwe Triggelmann	Triggelmann Ltd.	UK
Amy Fyot	GEMACTO	FRANCE
John STEARNS	MAATEK, INC	USA
ED BEDELL	BRUSH INDUSTRIES INC	USA
STEPHEN SCHWARTZ	KURZ TRANSFER PRODUCTS	USA
TERRY SCHINDLER	BRUSH INDUSTRIES INC	USA
Felix Schwartzman	HID Global	USA
MARTY FRARY	HID GLOBAL	USA
DANCYGIER Michel	THALES TRANSPORTATION SYSTEMS	FRANCE
BRUNO BERTH	THALES	France
David May	David May Consulting Ltd.	UK
Denny Warwick	Dataward Corp.	USA
Frank Albrecht	PTB	Germany
Janin Winkler	Infinova Technologies AG	Germany
Bert Hellstern	Sagem Erga GmbH	Germany
Uwe Vender	Kurz	Germany
Bernd Meier	Nagels Druck Kempen	Germany
Akira Nakazawa	NIDEC SANKYO CORPORATION	Japan
Kaoru Tsuchimoto	The Kyoto Him Foundation / Felig Networks	Japan