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Cards and personal identification**

2007-10-10

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ISO/IEC JTCT/SC17 WG1 Convener's Report

Plenary, Paris

10th to 12th of October 2006

WG1/TF2 CARD SERVICE LIFE

The work item approved in July 2005 has progressed.

It is going to result into the two part standard 24789.

Part 1 will contain "Application Profiles" defining how to parameterize the methods of evaluation contained in part 2 to determine if a specific card construction is suitable for a specific application.

Within the development of Part 1 two different, concurring models have evolved, both with their advantages and disadvantages and supported by different NBs. A new initiative to bring these two models closer together and develop a unified approach has been started in Berlin and will hopefully result in a CD by the end of the year.

Part 2 is ready for CD but currently held back by WG1 as the intention is to ballot the two parts together.

WG1

7810 "PHYSICAL CHARACTERISTICS"

A set of physical requirements is being transferred from ISO/IEC 14443-1 into 7810. To not uphold the finalization of ISO/IEC 14443-1 by WG8 WG1 has decided to create an amendment to 7810. The FPDAM is currently being balloted with due date 2007-10-22.

WG1 has decided to open 7810 for revision early due to the number of issues to be resolved, including introduction of ESD testing to 7810, a requirement for the three-wheel test and the need to bring the requirement for opacity in line with the test method.

7811 "RECORDING TECHNIQUE"

7811-1 "Embossing"

A revised version was published in 2002. WG1 currently does not see the need for further work at this point in time.

7811-2 "Low Coercivity Magnetic Stripes"

A revised version was published in 2001. WG1 currently does not see the need for further work at this point in time.

PTB will cease to host the primary standard and the equipment currently used to provide secondary reference cards no later than the end of 2008.

PTB has announced that it will cease to offer secondary reference cards for 7811-2 and 7811-6 during 2008 using equipment it has developed for this specific purpose. WG1 thus was required to identify an alternative source for these secondary reference cards, as these are crucial to the application of the magnetic stripe standards.

Q-Card, US, came forward with a proposal to procure the reference equipment from PTB and to issue secondary reference cards to the market. Q-Card made a 10 year commitment to provide this service, to cap the price for secondary reference cards to a maximum of 150% of PTB's current price over the next 10 years and to maintain equipment and appropriately qualified staff at its own expense. Q-Card is also willing to agree this in contractual form either with one party, e.g. a standardization body, or multiple contracts with individual member companies of WG1.

Primary Reference Cards would be split between Q-Card, WG1 secretariat and PTB to ensure WG1 could reconstruct the reference in case of a catastrophic event.

To avoid a monopoly situation, PTB has an additional reference reader available, which an interested party could acquire to the same conditions as Q-Card.

It was discussed whether the issuance of secondary reference cards should be opened up to any other suitable equipment and not be restricted to the purpose built equipment. But the majority of WG1 experts felt that the equipment used to make Secondary Reference Cards should be considered part of the standard and that the reader developed by PTB for this purpose should be used also in future for producing secondary reference cards.

7811-6 "High Coercivity Magnetic Stripes"

WG1 has integrated AMD1 and the FCD has been approved with one negative vote. The related comments were resolved during WG1's October 2007 meeting in Berlin and the standard will now proceed to FDIS ballot.

7811-7 "High Coercivity High Density"

The initial and current version was published in 2004.

The standard has not seen implementation in the field and WG1 has asked its members to discuss with their NBs if WG1 should propose withdrawing this standard and within which timeframe.

7811-8 "650 Oersted Magnetic Stripes"

This is a new part of 7811 reflecting a tendency in the market to use magnetic stripes cheaper than HiCo but more reliable than LoCo. 7811-8 currently also contains the necessary information for testing in an annex, as 10373-2 has just been published in 2006.

WG1 had developed the standard based on the use of RM7811-2 as the reference material for 7811-8. PTB, currently host to the RM7811-2 reference material and issuer of secondary reference cards, had explained that it does not have the resources available to formally establish the suitability of RM7811-2 as a reference material for 7811-8 and as such will not issue secondary reference cards declared as suitable references for 7811-8. PTB added that it would include a related statement with any 7811-2 secondary reference card.

Conclusively in the absence of reference cards WG1 had to temporarily withdraw 7811-8 from FDIS ballot until the reference card issue had been resolved, which it now has. FDIS processing is now continuing and was sent for ballot on 2007-06-15.

7811-9 “TIM” “Tactile Identification Mark”

This also is a new part of 7811 defining a braille like identification mark on a card allowing to distinguish different cards and orient a card for visually impaired or under insufficient visibility conditions.

7811-9 was approved FCD on 2007-08-22 and will proceed now to FDIS.

8484 “MAGNETIC STRIPES ON SAVINGS BOOKS”

ISO/IEC 8484 has been published in a new edition on 2007-07-31.

10373-1 AND -2 “TEST METHODS”

Revised versions were published in 2006.

To accommodate test requirements for ISO/IEC 7811-8 WG1 has decided to add an annex into ISO/IEC 7811-8

To accommodate the methods transferred from 10373-3 and 10373-6 WG1 is preparing an amendment to 10373-1. The document is currently a WD.

15457 “THIN FLEXIBLE CARDS”

15457-1: “Physical Characteristics”

Sent to SC17 for FDIS ballot.

15457-2: “Magnetic Recording Technique”

Now in the process of being published.

15457-3: “Test Methods”

Sent to SC17 for FDIS ballot.

LIAISONS

WG4

The WG1 convener participated in a WG4 TF meeting to discuss further editing of 10373-3, during which the transfer of some methods into 10373-1 was agreed. WG1 is currently implementing these test methods into an amendment to 10373-1 and the corresponding requirements into an amendment to 7810.

WG8

WG1 maintains its liaison with WG8 through its secretary Mr Steve Brunt to ensure smooth integration of requirements and test methods into 7810 and 10373-1.

MEETINGS

COMPLETED MEETINGS IN 2007

2007-03-06/08 Braunschweig, Germany

2007-06-05/07 Kyoto, Japan

2007-10-08/10 Berlin, Germany

PLANNED MEETINGS IN 2008

2008-03-04/06 Paris, France

2008-06-03/05 Harrisburg, US
2008-10-06/08 London, UK

PLANNED MEETINGS IN 2009

2009-03-03/05 Singapore, Singapore
(Dates to be confirmed)

THANKS

I would like to thank Steve Brunt for his excellent services as the WG1 secretariat, Denny Warwick and again Steve Brunt for the substantial work they continuously provide as editors, Felix Shvartsman and Terry Schindler as convenor and minute secretary of TF2 and all WG1 experts contributing so much to WG1's work.

Special thanks go to our WG1 hosts in Braunschweig, Kyoto and Berlin for their warm welcome and assistance during our working group meetings in 2007. We look forward to future visits.

Berlin, 10th October 2007

Uwe Trüggelmann
(Convener WG1)