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Cards and personal identification

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**Report of the Convener of WG8  
to the 22nd Plenary Meeting of ISO/IEC JTC1/SC17  
being held in Beijing, China, 2009-09-23/25  
(Revision 1)**

**1. Meetings since the last SC17 Plenary Meeting**

Three WG8 meetings have been held since the last SC17 Plenary Meeting:

- 43rd meeting of WG8 in Graz, Austria, 2008-11-13/14

Participation: 18 delegates from 8 countries and 2 Liaison Organizations, in detail:

Austria	3
France	2
Germany	3
Hungary	2
Israel	1
Japan	3
Switzerland	1
U.K.	1
EU JRC	1
Visa Europe	1

- 44th meeting of WG8 in Singapore, 2009-04-22/24

Participation: 27 delegates from 10 countries and 2 Liaison Organizations, in detail:

Austria	1
China	1
France	4
Germany	3
Israel	2
Japan	6
Singapore	2
South Africa	1
U.K.	2
U.S.A.	3
EU JRC	1
Visa Europe	1

- 45th meeting of WG8 in London, U.K., 2009-06-29/07-01

Participation: 18 delegates from 7 countries and 1 Liaison Organization, in detail:

Austria	1
France	2
Germany	3
Israel	2
Japan	4
U.K.	4
U.S.A.	1
EU JRC	1

During that period the Task Force TF2 of WG8, with its Convener Pascal Roux (France), has held three meetings:

- 29<sup>th</sup> meeting of WG8/TF2 in Graz, Austria, 2008-11-10/12.  
Participation: 18 delegates from 7 countries and 2 Liaison Organizations.
- 30<sup>th</sup> meeting of WG8/TF2 in Singapore, 2009-04-20/21.  
Participation: 24 delegates from 9 countries and 2 Liaison Organizations
- adhoc meeting of WG8/TF2 on “Multiple PICCs in one single operating field” in London, 2009-07-02.  
Participation: 14 delegates from 7 countries

## **2. ISO/IEC 14443, Proximity cards (PICCs)**

### **2.1 ISO/IEC 14443-1:2008 (2nd Edition), Physical characteristics**

The 2nd edition of the standard:

*ISO/IEC 14443-1, Identification cards - Contactless integrated circuit(s) cards - Proximity cards - Part 1: Physical characteristics*

was published on 2008-06-15.

#### **2.1.1 Amendment 1: Additional PICC classes**

*ISO/IEC 14443-1:2008, Identification cards - Contactless integrated circuit(s) cards -Proximity cards - Part 1: Physical characteristics - Amendment 1: Additional PICC classes*

- The PDAM text in SC17 N 3681 was balloted from 2009-05-27 to 2009-08-28. For the ballot result see SC17 N 3745 (17 approvals, 1 disapproval from Japan, 10 abstentions).

- The ballot result will be addressed at the next WG8 meeting on 2009-12-02/04.

## **2.2 ISO/IEC 14443-2, Radio frequency power and signal interface**

The 1<sup>st</sup> edition of the standard:

*ISO/IEC 14443-2, Identification cards - Contactless integrated circuit(s) cards - Proximity cards - Part 2: Radio frequency power and signal interface*

was published on 2001-07-01.

### **2.2.1 Revision of ISO/IEC 14443-2**

- The FCD text in SC17 N 3615 was balloted from 2008-11-24 to 2009-03-24. For the ballot result see SC17 N 3651 (20 approvals, 7 abstentions).
- The FDIS is being balloted.

### **2.2.2 Amendment 3: Limits of electromagnetic disturbance levels (EMD)**

*ISO/IEC 14443-2:2009, Identification cards - Contactless integrated circuit(s) cards - Proximity cards - Part 2: Radio frequency power and signal interface - Amendment 3: Limits of electromagnetic disturbance levels*

- The PDAM text in SC17 N 3721 is being balloted from 2009-08-27 to 2009-11-26.
- The ballot result will be addressed at the next WG8 meeting on 2009-12-02/04.

### **2.2.3 Amendment 4: Additional PICC classes**

*ISO/IEC 14443-2:2001, Identification cards - Contactless integrated circuit(s) cards - Proximity cards - Part 2: Radio frequency power and signal interface - Amendment 4: Additional PICC classes*

- The PDAM text in SC17 N 3680 was balloted from 2009-05-27 to 2009-08-28. For the ballot result see SC17 N 3744 (16 approvals, 1 disapproval from Japan, 11 abstentions).
- The ballot result will be addressed at the next WG8 meeting on 2009-12-02/04.

## **2.3 ISO/IEC 14443-3, Initialization and anticollision**

The 1<sup>st</sup> edition of the standard:

*ISO/IEC 14443-3, Identification cards - Contactless integrated circuit(s) cards - Proximity cards - Part 3: Initialization and anticollision*

was published on 2001-02-01.

### **2.3.1 Revision of ISO/IEC 14443-3**

- The FCD text in SC17 N 3613 was balloted from 2008-11-24 to 2009-03-24. For the ballot result see SC17 N 3653 (20 approvals, 7 abstentions).
- The FDIS is being balloted.

### **2.3.2 Amendment 4: Electromagnetic disturbance handling (EMD)**

*ISO/IEC 14443-3:2009, Identification cards - Contactless integrated circuit(s) cards - Proximity cards - Part 3: Initialization and anticollision - Amendment 4: Electromagnetic disturbance handling*

- The CD ballot of ISO/IEC 14443-2:2009/PDAM4, i.e. SC17 N 3723, is from 2009-08-27 to 2009-11-26.
- The ballot result will be addressed at the next WG8 meeting on 2009-12-02/04.

## **2.4 ISO/IEC 14443-4:2008 (2nd Edition), Transmission protocol**

The 2nd edition of the standard:

*ISO/IEC 14443-4, Identification cards - Contactless integrated circuit(s) cards - Proximity cards - Part 4: Transmission protocol*

was published on 2008-07-15.

## **2.5 Test Methods for ISO/IEC 14443: ISO/IEC 10373-6**

The 1<sup>st</sup> edition of standard:

*ISO/IEC 10373-6, Identification cards - Test methods - Part 6: Proximity cards*

was published on 2001-05-15.

### **2.5.1 Revision of ISO/IEC 10373-6**

- The 2ndCD text in SC17 N 3628 was balloted from 2008-12-23 to 2009-03-24. For the ballot result see SC17 N 3652 (18 approvals, 2 disapprovals from Japan and USA, 7 abstentions).
- The FCD text in SC17 N 3730 is being balloted from 2009-07-27 to 2009-11-23.
- The ballot result will be addressed at the next WG8 meeting on 2009-12-02/04.

## 2.5.2 Amendment 7: ePassport PICC and PCD test methods

*ISO/IEC 10373-6/AM7, Identification cards - Test methods - Part 6: Proximity cards - Amendment 7: Test methods for ePassport*

- The FPDAM text in SC17 N 3621 was balloted from 2008-12-05 to 2009-04-06. For the ballot result see SC17 N 3662 (20 approvals, 1 disapproval from Israel, 7 abstentions).
- The FDIS text is prior to its balloting process.

## 2.6 Harmonization of ISO/IEC 14443 and NFC

The following steps have been undertaken since the last SC17 plenary meeting:

- 1) In November 2008, SC 6 agrees to establish a study group (SC6/SG) co-chaired by Mr. R. Meindl and Mr. Y. Takayama revisiting the NFC standards regarding the need for harmonization with the ISO/IEC 14443 standards and considering related contributions from liaison organizations, member bodies, and experts. (SC6 N 13810)
- 2) In February 2009, SC17 clarifies its position to SC6, that any standardization activities regarding the PICC and PCD roles for NFC devices should be moved to SC17 due to available expertise (SC17 N 3642)
- 3) In mid March 2009, SC6/SG held its first meeting in Fukuoka, Japan. The Terms of Reference for the harmonization activities were drafted. The position of SC17 (see item 2 above) was supported by all attending NB representatives (France, Germany, Japan, U.K.). (SC17 N 3658)
- 4) In end March 2009, SC17 Chairman informs and asks NBs to submit their harmonization relevant positions to the SC6 plenary meeting, held in the beginning of June 2009. (SC17 N 3655)
- 5) In early June 2009, SC6 approved the Terms of Reference document N 13990 related to the harmonization work in SC6/SG. Further relevant SC6 Resolutions are (SC6 N 14026):

### Resolution 6.1.3b Improvement of NFC-Related Standards

*SC6 instructs WG1 to improve NFC-related standards according to the ToR and the findings of the study group, and to use references rather than copying text, wherever possible.*

### Resolution 6.1.3c Call for Contributions to SG on NFC/ISO 14443 Harmonization.

*SC 6 encourages NBs, liaison organizations, member bodies and experts to submit, to the SG on NFC/ISO 14443 Harmonization, contributions related to the NFC/ISO 14443 Harmonization, such as active and passive communication modes, as well as Peer to Peer mode.*

- 6) In mid September 2009 the 2<sup>nd</sup> meeting of SC6/SG is held in Singapore. Participation of 18 delegates from 7 countries, related both to SC6 and SC17, proves increased interest in the harmonization activities. Main input comes from Japan pointing at all the use cases for cross usage of NFC devices and 14443 related devices and cards (objects), see SC17 N 3738. A draft for ISO/IEC 21481 (Revision), which contains NFCIP-2, was the essential outcome of that meeting. Also, SG recommends to SC6 to start revision procedures for the NFC standards. As a consequence that may replace the fast-track procedures initiated by ECMA.
- 7) Next meeting of SC6/SG will be 14<sup>th</sup>/15<sup>th</sup> December 2009 in Berlin, Germany.

### **3. ISO/IEC 15693, Vicinity cards (VICCs)**

#### **3.1 ISO/IEC 15693-1, Physical characteristics**

The 1<sup>st</sup> edition of standard:

*ISO/IEC 15693-1, Identification cards - Contactless integrated circuit(s) cards - Vicinity cards - Part 1: Physical characteristics*

was published on 2000-07-15.

##### **3.1.1 Revision of ISO/IEC 15693-1**

- The CD text in SC17 N 3619 was balloted from 2008-11-27 to 2009-02-28. For the ballot result see SC17 N 3644 (19 approvals, 1 disapproval from USA, 8 abstentions).
- The FCD text in SC17 N 3693 is being balloted from 2009-06-26 to 2009-10-27.
- The ballot result will be addressed at the next WG8 meeting on 2009-12-02/04.

#### **3.2 ISO/IEC 15693-2:2006 (2nd Edition), Radio frequency power and signal interface**

The 2nd edition of standard:

*ISO/IEC 15693-2, Identification cards - Contactless integrated circuit(s) cards - Vicinity cards - Part 2: Radio frequency power and signal interface*

was published on 2006-12-04.

#### **3.3 ISO/IEC 15693-3, Anti-collision and transmission protocol**

The 1<sup>st</sup> edition of standard:

*ISO/IEC 15693-3, Identification cards - Contactless integrated circuit(s) cards - Vicinity cards - Part 3: Anti-collision and transmission protocol*

was published on 2001-04-01.

### **3.3.1 Revision of ISO/IEC 15693-3**

The FDIS ballot was successful. The 2<sup>nd</sup> edition should have been published already.

### **3.4 Test Methods for ISO/IEC 15693: ISO/IEC 10373-7:2008 (2nd Edition)**

The 2nd edition of the standard:

*ISO/IEC 10373-7, Test methods - Part 7: Vicinity cards*

was published on 2008-05-01.

## **4. Appreciations**

Again WG8 expresses its thanks

- to all the Project Editors of the WG8 standards, who have prepared and provided so well the many standard drafts,
- to the SC17 Secretary for his very helpful and reliable guidance and
- to the NBs of Austria, Singapore and U.K. for having let WG8 meet in their countries under excellent conditions.

## **5. WG8 Website**

The WG8 website consists basically of two sections, one of which is public and the other one is password protected.

The public section consists of general information about the structure of WG8, its projects, meeting dates, and documents lists. This section can be accessed via the URL:

**<http://wg8.de>**

Any person authorized by a National body can request the ID/password for accessing the WG8 website from the WG8 Secretariat via e-mail to [office@wg8.de](mailto:office@wg8.de) .

## **6. Next meetings**

WG8/TF2	#31	2009-11-30/12-01	in Valence, France
WG8	#46	2009-12-02/04	in Valence, France
WG8&TF2		both in the period 2010-06-14/18	(to be confirmed)
WG8&TF2		both in the period 2010-09-27/10-01	(proposed to be in Japan)

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**Convener ISO/IEC JTC1/SC17/WG8**