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**Report of the Convener of WG8
to the 21st Plenary Meeting of ISO/IEC JTC1/SC17
being held in London, U.K., 2008-10-08/10**

1. Meetings since the last SC17 Plenary Meeting

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

- 40th meeting of WG8 in Munich, Germany, 2007-10-15/19

Participation: 24 delegates from 12 countries and 1 Liaison Organization, in detail:

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

- 41st meeting of WG8 in Tokyo, Japan, 2008-04-08/10

Participation: 24 delegates from 8 countries, in detail:

Austria	4
France	3
Germany	3
Israel	2
Japan	7
Singapore	1
U.K.	1
U.S.A.	3

- 42nd meeting of WG8 in London, U.K., 2008-09-29/10-03

Participation: 36 delegates from 9 countries and 3 Liaison Organizations, in detail:

Austria	4
China	8
France	4
Germany	3
Japan	5
Spain	1
Switzerland	2
U.K.	4
U.S.A.	2
EU	1
MasterCard	1
Visa Europe	1

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

- 28th meeting of WG8/TF2 in Tokyo, Japan, 2008-04-03/07.
Participation: 23 delegates from 7 countries.

Statistically, all the WG8 & TF2 related events have taken in total 16 meeting days and 406 mandays efforts.

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.

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

The 1st 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 2ndCD of ISO/IEC 14443-2 (Revision), i.e. SC17 N 3391 was balloted from 2007-12-07 to 2008-03-08. For the ballot result see SC17 N 3445 (19 approvals, 2 disapprovals from France and Japan, 5 abstentions, 23 no returns).
- WG8 was given the advice by the SC17 Secretariat to go for FCD ballot. Due to the resolution of major technical comments, however, the WG8 delegates decided at the Tokyo meeting to go for a 3rd CD ballot.
- The 3rdCD of ISO/IEC 14443-2 (Revision), i.e. SC17 N 3501 was balloted from 2008-06-11 to 2008-09-11. For the ballot result see SC17 N 3546 (23 approvals, 1 disapproval from Japan, 4 abstentions, 22 no returns).
- WG8 was given again the advice by the SC17 Secretariat to go for FCD ballot. The received comments were processed at the WG8 meeting in London in last week. The delegates also came to the conclusion that the text of 14443-2 (Revision) is mature enough to go for FCD.
- The FCD ballot is expected to be started by the end of November, so that its ballot response will come in sufficient time before the over next WG8 meeting in April 2009.

2.2.2 ISO/IEC 14443-2 – Amendment 1: Bit rates of fc/64, fc/32 and fc/16

The standard:

ISO/IEC 14443-2, Identification cards - Contactless integrated circuit(s) cards -Proximity cards - Part 2: Radio frequency power and signal interface - Amendment 1: Bit rates of fc/64, fc/32 and fc/16

was published on 2005-06-01.

2.2.3 ISO/IEC 14443-2 – Amendment 2: Bit rates of fc/8 and higher

ISO/IEC 14443-2, Identification cards - Contactless integrated circuit(s) cards -Proximity cards - Part 2: Radio frequency power and signal interface - Amendment 2: Bit rates of fc/8 and higher

WG8/TF2 is developing this Amendment. A first WD, mature to be balloted as CD, will take more time.

2.3 ISO/IEC 14443-3, Initialization and anticollision

The 1st 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 2ndCD of ISO/IEC 14443-3 (Revision), i.e. SC17 N 3389 was balloted from 2007-12-07 to 2008-03-08. For the ballot result see SC17 N 3444 (20 approvals, 0 disapprovals, 6 abstentions, 21 no returns).
- WG8 was given the advice by the SC17 Secretariat to go for FCD ballot. Due to the resolution of major comments having integrated considerable modifications, however, the WG8 delegates decided at the Tokyo meeting to go for a 3rd CD ballot.
- The 3rdCD of ISO/IEC 14443-3 (Revision), i.e. SC17 N 3497 was balloted from 2008-06-11 to 2008-09-11. For the ballot result see SC17 N 3547 (22 approvals, 0 disapprovals, 5 abstentions, 21 no returns).
- WG8 was given again the advice by the SC17 Secretariat to go for FCD ballot. The received comments were processed at the WG8 meeting in London in last week. The delegates also came to the conclusion that the text of 14443-3 (Revision) is mature enough to go for FCD.
- The FCD ballot is expected to be started by the end of November, so that its ballot response will come in sufficient time before the over next WG8 meeting in April 2009.

2.3.2 ISO/IEC 14443-3 – Amendment 1: Bit rates of fc/64, fc/32 and fc/16

The standard:

ISO/IEC 14443-3, Identification cards - Contactless integrated circuit(s) cards - Proximity cards - Part 3: Initialization and anticollision - Amendment 1: Bit rates of fc/64, fc/32 and fc/16

was published on 2005-06-01.

2.3.3 ISO/IEC 14443-3 – Amendment 2: Bit rates of fc/8 and higher

WG8/TF2 is developing this Amendment. A first WD, mature to be balloted as CD, will take more time.

2.3.4 ISO/IEC 14443-3 – Amendment 3: Handling of reserved fields and values

The standard:

ISO/IEC 14443-3, Identification cards - Contactless integrated circuit(s) cards - Proximity cards - Part 3: Initialization and anticollision - Amendment 3: Handling of reserved fields and values

was published on 2006-03-15.

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.

2.4.1 ISO/IEC 14443-4 – Amendment 2: Bit rates of fc/8 and higher

WG8/TF2 is developing this Amendment. A first WD, mature to be balloted as CD, will take more time.

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

The 1st 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 CD of ISO/IEC 10373-6 (Revision), i.e. SC17 N 3502 was balloted from 2008-06-11 to 2008-09-11. For the ballot result see SC17 N 3548 (21 approvals, 2 disapprovals from Japan and USA, 5 abstentions, 23 no returns).
- WG8 was given the advice by the SC17 Secretariat to go for FCD ballot. The received comments have not yet been finally processed at the WG8 meeting in London in last week. There will be a continuation of the comments' resolutions at an additional WG8 meeting in about 4 weeks from now. The delegates may come to the conclusion that the text of 10373-6 (Revision) should be balloted as a 2nd CD.
- The 2nd CD or FCD ballot is expected to be started by mid December 2008.

2.5.2 ISO/IEC 10373-6 – Amendment 1: Protocol test methods for proximity cards

The standard:

ISO/IEC 10373-6, Identification cards -Test methods - Part 6: Proximity cards - Amendment 1: Protocol test methods for proximity cards

was published on 2007-04-01.

2.5.3 ISO/IEC 10373-6 – Amendment 2: Improved RF test methods

The standard:

ISO/IEC 10373-6, Identification cards - Test methods - Part 6: Proximity cards - Amendment 2: Improved RF test methods

was published on 2003-10-16.

2.5.4 ISO/IEC 10373-6 – Amendment 3: Protocol test methods for proximity coupling devices

The standard:

ISO/IEC 10373-6, Identification cards - Test methods - Part 6: Proximity cards - Amendment 3: Protocol test methods for proximity coupling devices

was published on 2006-10-01.

2.5.5 ISO/IEC 10373-6 – Amendment 4: Additional test methods for PCD RF interface and PICC alternating field exposure

The standard:

ISO/IEC 10373-6, Identification cards - Test methods - Part 6: Proximity cards - Amendment 4: Additional test methods for PCD RF interface and PICC alternating field exposure

was published on 2006-06-01.

2.5.6 ISO/IEC 10373-6 – Amendment 5: Bit rates of fc/64, fc/32 and fc/16

The standard:

ISO/IEC 10373-6, Identification cards - Test methods - Part 6: Proximity cards - Amendment 5: Bit rates of fc/64, fc/32 and fc/16

was published on 2007-10-15.

2.5.7 ISO/IEC 10373-6 – Amendment 7: ePassport PICC and PCD test methods

The standard:

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

was balloted as CD of ISO/IEC 10373-6/PDAM7, i.e. SC17 N 3489 from 2008-05-30 to 2008-08-30. For the ballot result see SC17 N 3533 (19 approvals, 0 disapprovals, 5 abstentions, 21 no returns).

The SC17 Secretariat advised WG8 to go for FPDAM (FCD) ballot after having resolved the received comments. WG8 did that at the meeting here in London in last week and will submit the new text to the SC17 Secretariat by the end of November 2008 for FPDAM ballot.

Due to the existing good consensus regarding the contents of 10373-6/AM7 a question came up in WG8, whether maybe the FDIS ballot can be skipped, so a publication may be possible right after having resolved the received FPDAM comments (by the end of March 2009).

2.6 Close cooperation with WG3 (ICAO/NTWG)

Again WG8 can only repeat to mention the excellent cooperation between WG3 and its Task Forces with the WG8.

2.7 ISO/IEC TR 29123, Requirements for the enhancement of interoperability

The 1st edition of the Technical Report:

ISO/IEC TR 29123, Requirements for the enhancement of interoperability

was published on 2007-12-15.

2.8 Currently processed Work items in the Task Force 2

TF2 current efforts are concentrating on:

- Electromagnetic disturbances (EMD)
- Additional classes for PICCs (of any form factor)
- Multiple PICCs in a single operating field
- Very high data rates

2.8.1 Electromagnetic disturbances (EMD)

Two working drafts for amendments to 14443-3 and 10373-6 are currently in discussion. Those are expected to be balloted as CD by mid 2009.

2.8.2 Additional classes for PICCs (of any form factor)

Different form factors of PICCs intended to run the 14443 interface will lead to antenna dimensions other than the "Class 1" antenna defined in the 2nd edition of ISO/IEC 14443-1 so that a careful consideration of changing field parameters has to be investigated. There are contributions on this available, but not yet any working draft.

2.8.3 Multiple PICCs in a single operating field

Due to extremely much efforts in the last 12 months on the commenting of 14443- 2 and 14443-3, there hadn't been sufficient time to pursue that work item further. No contribution has been submitted. It is expected that the involved industries will provide further input on this topic in the next few months.

2.8.4 Very high data rates

Principally same statement as given for the multiple PICCs issue.

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

3.1 ISO/IEC 15693-1, Physical characteristics

The 1st 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

- WG8 decided at the London meeting in last week, that it is now time to work on a working draft of 15693-1 (Revision), after 14443-1 (Revision) had been published several months ago. Namely, again like in the past, WG8 is believing that both the parts 1 of 14443 and 15693 should remain very similar.
- WG8 appointed Mr. Hiroshi Karibe (Japan) the Project Editor for ISO/IEC 15693-1 (Revision).
- The Project Editor has distributed a first working draft for 15693-1 (Revision) in last week. It seems to be possible for WG8 to decide soon for letting it ballot as CD.

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 1st 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 text is submitted to the SC17 Secretariat. The publication of that part of 15693 can be expected by the end of 2008.

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 the Project Editors for the WG8 standards, who have prepared and provided so well the many standard drafts. In particular, Mr. Peter Raggam (Germany) is to be mentioned, who had done an extraordinary job. He been responsible for three standards, but additionally volunteered as Acting Projector Editor for further two standards. Further appreciations have to be addressed to Steve Brunt (U.K.), Mr. Mickey Cohen (Israel), Mr. Reinhard Meindl (Austria), Mr. Florian Peters (Germany), Mr. Pascal Roux (France) and Mr. Chris Stanford (U.K.). The processing of so many valuable standards were not possible without the exhausting efforts of all those gentlemen.

5. Commemoration to Mr. Jean-Pierre Messa

Again within a period of three years I feel sorry to inform SC17 of the tragic event that one of the WG8 members, i.e. Mr. Jean-Pierre Messa (France), had passed away in August 2008 after quite a lengthy illness period, in which he never had given up to believe in himself and for defeating his dolor. His contributions to all WG8 projects were always welcome and appreciated. Jean-Pierre was an expert recognized in the smart card industry as a person of stature and intellect. WG8 will miss him as he was such a nice person in addition to his qualifications. The intensive memory of Jean-Pierre will remain forever in our hearts.

6. 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 .

7. Next meetings

WG8/TF2	#29	2008-11-10/12	in Graz, Austria
WG8	#43	2008-11-13/14	in Graz, Austria
WG8&TF2		both in the period 2009-04-20/24	in Singapore (to be confirmed)

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