

Summary Report of the 33rd meeting of ISO/IEC JTC1/SC17/WG8,
held in Sydney, Australia, 2004-10-12/15
(Revision 1)

The meeting was hosted by and held at Standards Australia in Sydney, Australia.
It was chaired by the WG8 Convener Michael Hegenbarth, Germany.

The following 19 participants from 9 countries and 2 Liaison Organizations attended the meeting:

Australia:

Peter Spalding

Austria:

Franz Huber

Reinhard Meindl

France:

Jean-Paul Caruana

Frédéric Hanauer

Pascal Roux

Germany:

Klaus Finkenzeller

Israel:

Mickey Cohen

Hemy Itay

Japan:

Hiroshi Karibe

Mikio Mukai

Yoshihisa Takayama

Norihisa Yamamoto

Singapore:

Kelvin Lim

U.K.:

Chris Stanford

U.S.A.:

David Dressen

Marty Frary

Liaisons:

Mark Kamers, MasterCard International

Jim Ridell, VISA International

Resolutions and Notes (unanimously agreed, if not otherwise noted):

33.01 Standing Document 4 (SD4)

WG8 decides that

- a) any improvement proposal submitted by WG8 members will be listed in SD4 in a way, that further decision on whether and how to deal with them will at latest be taken by WG8 at its next possible meeting,

- b) Proposal 11 of the current version of SD4 will be kept in SD4 no later than until October 2005, if WG8 will not have decided how to proceed on it, based on related contributions to be submitted,
- c) Proposal 20 of the current version of SD4 will be kept in SD4 no later than until the next WG8 meeting, if WG8 will not have decided how to proceed on it, based on related contributions to be submitted,
- d) Proposal 21 of the current version of SD4 is to be abandoned,
- e) WG8 confirms Pascal Roux to continue his much appreciated past efforts on continuing his role as SD4 Project Editor.

33.02 Limited use contactless smart cards (LUC)

WG8 invites its members to submit contributions on LUC, in particular those which are related to ISO/IEC 14443 with a mandatory technical justification. Such contributions related to ISO/IEC 14443-1 should consider its new future contents, see next Resolution 33.03.

Due to the new situation on how to process the LUC related standardization activities, the Project Editor on LUC is asked to split the contribution from the U.S., i.e. N 1043, into two documents:

- a text related to the LUC related activities in WG1,
- a text related to ISO/IEC 14443-1.

Based on those two documents and the received contributions further actions on how to address those via amendments, input to revisions or considering them in a new part of ISO/IEC 14443 will be defined and decided at the next WG8 meeting.

33.03 Revision of ISO/IEC 14443-1 (Proximity cards)

WG8 decides that the revised text of ISO/IEC 14443-1 will contain the following:

- UV light: will be moved to WG1 for further consideration
- X-rays: will be moved to WG1 for further consideration
- Bending and torsion: will be moved to WG1 for further consideration
- Alternating H field: will be tested only at PICC resonance frequency and 13.56 MHz
- Alternating E field: will disappear totally
- Static electricity: for finished plastic card only, may be moved to WG1, if experts are available there
- Static H field: will disappear totally
- Op temperature: will be moved to WG1 for further consideration
- Class 1 antenna definition, as of N 947 R1

The revised text of ISO/IEC 14443-1 will state that PICCs shall be compliant with that WG1 standard, which will contain those above items to be moved to WG1.

33.04 Project Editor for ISO/IEC 14443-1

WG8 appoints Mr Steve Brunt, UK, the Project Editor of ISO/IEC 14443-1.

33.05 Form-factor free option (FFF)

WG8 invites its members to submit contributions on FFF, in particular those which are related to the ISO/IEC 14443. Based on such contributions further actions on how to address those via amendments, input to revisions or considering them in a new part of ISO/IEC 14443 will be taken at the next WG8 meeting.

33.06 Balloting of FDISs on ISO/IEC 14443-2/Amendment 2 and ISO/IEC 14443-3/Amendment 1 (high bit rates)

WG8 decides to launch the texts of ISO/IEC 14443-3/FDAM 3 and ISO/IEC 14443-4/FDAM1, as laid down in the documents N 1038 and N 1039, as FDIS and instructs their Project Editor to forward those texts together with their disposition of FCD comments documents N 1032 and N 1033 to the SC17 Secretariat for FDIS balloting by the end of October 2004.

33.07 Quick selection of ePassports and eVisas for Type A and B ISO/IEC 14443 chips

Reinhard Meindl is asked to update N 990 R1, which will become N 990 R2. The WG8 Secretariat is instructed to circulate N 990 R2 within WG8 for comments by the end of October 2004. Reinhard Meindl is kindly asked to integrate the received comments and hand over the resulted document to the WG8 Convener for transferring it to WG3.

33.08 Updating the table of AFI (Application family identifier) in ISO/IEC 14443-3 and its recommended usage for MRTDs

WG8 decides that WG8's recommendation for a quick selection of ePassports and eVisas for Type A and B, see N 990 R2, makes the definition for the value 'E' in the AFI table of ISO/IEC 14443-3 necessary. Therefore WG8 decides further to make known that definition via the Amendment 3 of ISO/IEC 14443-3, as laid down in N 1040.

WG3 is recommended to use the definition of 'E' in the AFI table in the following way:

WG4 had allocated the tag 49 at its meeting held in London on 2004-09-29/10-01. Tag 49 shall be a variable length tag because a multiapplication card shall return all its applications in tag 49. If all the historical bytes do not fit in ATS length, the ATS will be truncated to its maximum length and the information may be retrieved by an application command such as GET DATA.

Type B Passport + visa chip is recommended to answer, according to 14443-3, 7.9.3.1:

- to REQB(E1) with ATQB(E0 or E1)
- to REQB(E2) with ATQB(E0 or E2)
- to REQB(E0) with ATQB(E0 or E1 or E2)

The 4th byte of Application Data will anyway indicate the number of applications in the PICC.

The PCD should not rely on the multiapplication PICC answer.
The mechanism for quick selection is the REQB(AFI), whatever the ATQB answer.

Type A Passport + visa chip should answer with tag 49 applications E1 and E2.
Type B MRP will also provide the same information with tag 49.

33.09 Multiple chips and antennas in ePassports (MCAP)

WG8 decides to take the standardization of the combination of multiple chips and antennas in ePassports (MCAP) into consideration. WG8 invites its members to submit contributions on MCAP. Based on such contributions further actions on how to address those via amendments, input to revisions or considering them will be taken at next WG8 meetings.

33.10 eMRP Testing

WG8 recommends WG3/TF4 to take the following comments on its document WG8 N 1028 (= WG3/TF4 N xxxx) into account:

1.1 : replace 10373-1, 3.2 with 10373-6, 3.1.

1.11 : OK. We propose to keep the size of the elementary zones and to increase their number to cover the whole MRP format. The MRP should be tested open and only on the page which contains the chip and antenna.

2.1 : see 10373-6 AMD 5

2.2 : For MRP antenna size very similar to Reference PICC (i.e. class1 antenna), apply 7.1, 7.2 and 7.4 of 10373-6/Amd2 & 4, see also 10373-6 AMD 5 for high speed RF interface and locate the MRP in the Test PCD assembly so that its antenna is in the same position as the Reference PICC when tested.

2.3 : refer to 10373-6 AMD1 to test initialisation, anticollision and transport protocol defined in 14443 parts 3 and 4.

3 : No comments because all applicative layers are out of the scope of 14443

4.6 : 14443 specifies and 10373-6 tests the contactless interface seen from PCD and PICC sides. This covers PCD and PICC specifications.

4.7 : equal to 3.2 ; to be deleted.

33.11 Balloting of the FCDs on ISO/IEC 14443-3/Amendment 3 and ISO/IEC 14443-4/Amendment 1 (RFU handling)

WG8 decides to launch the texts of ISO/IEC 14443-3/FPDAM3 and ISO/IEC 14443-4/FPDAM1, as laid down in the documents N 1040 and N 1041, as FCD and instructs the WG8 Secretariat to forward those texts together with their disposition of CD comments documents N 1034 and N 1035 to the SC17 Secretariat for FCD balloting no later than 1st of November 2004.

33.12 Removal of ISO/IEC 14443-4/Amendment 3

WG8 decides to cancel the project on ISO/IEC 14443-4/Amendment 3, Identification cards - Contactless integrated circuit(s) cards - Proximity cards - Part 4: Transmission protocol - Amendment 3: Bit rates of fc/64, fc/32 and fc/16.

33.13 Balloting of the 4th CD on ISO/IEC 10373-6/Amendment 1 (PICC protocol tests)

Due to the concerns raised by the UK via its negative vote and by the working group WG1, WG8 decides that the Amendment 1 of ISO/IEC 10373-6 is to be launched a further time as CD, i.e. as ISO/IEC 10373-6/PDAM1.4, the text of which is in N 1042. The WG8 Secretariat is instructed to forward N 1042 together with its disposition of 3rd CD comments document N 1036 to the SC17 Secretariat for 4th CD balloting by the end of November 2004.

33.14 Balloting of the 3rd CD on ISO/IEC 10373-6/Amendment 3 (PCD protocol tests)

Due to the concerns raised by the UK and the U.S.A. via their negative votes and by the working group WG1, WG8 decides that the Amendment 3 of ISO/IEC 10373-6 is to be launched a further time as CD, i.e. as ISO/IEC 10373-6/PDAM3.3. WG8 decides further to postpone the resolution of the comments on its 2nd CD ballot to the next WG8 meeting, as it believes that further time for investigating the suitability of several technical proposals made via the comments seems to be reasonable. WG8 experts are encouraged to undertake such investigations during the following months and are asked to provide the WG8 Secretariat with their results 4 weeks prior to the next WG8 meeting. Those results will be distributed within WG8 aiming at a more efficient resolution of the 2nd CD comments at the next meeting, which will be done with preference.

33.15 Balloting of CD on ISO/IEC 10373-6/Amendment 4 (RF interface tests)

WG8 decides to launch the text of ISO/IEC 10373-6/Amendment 4, as laid down in the document N 1044, as CD and instructs the WG8 Secretariat to forward it to the SC17 Secretariat for CD balloting no later than 1st of November 2004.

33.16 Project Editor for ISO/IEC 10373-6/Amendment 4

WG8 appoints Mr Pascal Roux, France, the Project Editor of ISO/IEC 10373-6/Amendment 4.

33.17 Balloting of CD on ISO/IEC 10373-6/Amendment 5 (High bit rate tests)

WG8 decides to launch the text of ISO/IEC 10373-6/Amendment 5, as laid down in the document N 1045, as CD and instructs the WG8 Secretariat to forward it to the SC17 Secretariat for CD balloting no later than 1st of November 2004.

33.18 Project Editor for ISO/IEC 10373-6/Amendment 5

WG8 appoints Mr Reinhard Meindl, Austria, the Project Editor of ISO/IEC 10373-6/Amendment 5.

33.19 Revision of ISO/IEC 15693-3 (Vicinity cards)

Following the SC17 Resolution 534/04 (contained in WG8 N 1029 = SC17 N 2627) WG8 decides to start the revision of ISO/IEC 15693-3. WG8 instructs the Project Editor of ISO/IEC 15693-3 to provide WG8 with a working draft of revised ISO/IEC 15693-3, taking into account the WG8 Resolution 29.8 (WG8 N 786 = SC17 2220), and the new definition of the value for 'E' in the AFI table is to be defined as in the text of ISO/IEC 14443-3/FPDAM3 (N 1040).

33.20 Standardization of PCDs (Proximity coupling devices)

Responding to the WG8 Resolution 32.03 WG8 believes that it may be reasonable to initiate the standardization of PCDs. WG8 members are invited to submit contributions on a PCD standardization. Based on such contributions further actions on how to address those via amendments, input to revisions or considering them in a new part of ISO/IEC 14443 will be taken at the next WG8 meeting.

33.21 NP on "ISO/IEC 14443 test environment"

Following the WG8 Resolution 31.01 WG8 agrees to the NP text, i.e. N 1037, as to be forwarded to the SC17 Secretariat by the WG8 Secretariat no later than on 15th October 2004.

33.22 Next meetings and venues

The next WG8 meetings are scheduled as follows:

- WG8/#34: 2005-04-04/08 in Madrid, Spain (to be confirmed by the host)
- WG8 #35: 2005-09-26/30 in Sun City, South Africa

33.23 Appreciations to Project Editors

WG8 expresses its sincere gratitude to the Project Editors Mickey Cohen, Reinhard Meindl and Pascal Roux, who made great efforts under extreme time restricting conditions to provide the WG8 delegates with new versions of texts to be balloted.

33.24 Appreciations to the Host and Sponsor

WG8 expresses its sincere thanks to Standards Australia for having prepared, hosted and organized the WG8/TF2 and WG8 meetings that efficiently and pleasantly. WG8 thanks in particular Mr

Andrew Caswell and Mrs Renati Barel for their help both prior to the meeting and throughout its duration.

(This report was issued on 2004-10-15.)