

**Telecommunications and Information Exchange Between Systems**

**ISO/IEC JTC 1/SC 6**

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ISO/IEC JTC1/SC6 Secretariat Ms. Jooran Lee, KSA (on behalf of KATS) Korea Technology Center #701-7 Yeoksam-dong, Gangnam-gu, Seoul, 135-513, Republic of Korea ; Telephone: +82 2 6009 4808 ; Facsimile: +82 2 6009 4819 ; Email : <a href="mailto:jooran@kisi.or.kr">jooran@kisi.or.kr</a>	

## The Minutes of the First Ad Hoc Group Meeting on NFC Series of Standards

**Venue:** Korea/Seoul,

ETRI Seoul Office, Leaders Building 6th Floor

1599-11 Seocho-dong, Seocho-gu, SEOUL, Rep. of Korea

**Date:** 2010-04-14 to 16

**Time:** 2010-04-14, 1:00 pm up to 2010-04-16, 1:00pm

Participants:

Given Name	Family Name	National Body / Liaison Organization	E-mail
Mikio	Mukai	Ad hoc convenor	Mikio.Mukai@jp.sony.com
Reinhard	Meindl	AT	reinhard.meindl@nxp.com
Yoshihisa	Takayama	Japan	yoshihisa.takayama@jp.sony.com
Kenichi	Nakamura	Japan	Nakamura.kenken@jp.panasonic.com
Onno	Elzinga	Ecma International	Onno@Ecma-International.org
Herman	Leenders	Netherlands	herman.leenders@nxp.com
Ulrike	Haltrich	Germany	ulrike.haltrich@eu.sony.com
Takahide	Kadoyama	Japan	Takahide.Kadoayam@jp.sony.com
Clint	Chaplin	Ecma/Observer	Clint.chaplin@gmail.com
Sangseon	Park	Korea/Observer	sspark@ictk.co.kr
Pyseong-Han	Lee	Korea/Observer	phlee@3alogics.com

1. Opening of the meeting by the Convenor

Convenor provided directions and suggestions for meeting logistics

2. Roll call of participants

Roll call of the participants was made and participants are listed above.

3. Adoption of the agenda

Agenda was adopted with the addition of the document “6N14133 contribution Ecma.”

#### 4. Harmonization related documents

Harmonization related documents are listed the Barcelona SC6 Resolution (6N14226) are confirmed as shown below;

- 6N13901 contribution GE to SG
- 6N13918 Fukuoka SG meeting report
- 6N13945 contribution US to Tokyo meeting
- 6N13963 contribution JNB to Tokyo meeting
- 6N13964 contribution JNB to Tokyo meeting
- 6N13965 contribution Terms Proximity
- 6N13966 contribution Terms NFC
- 6N13967 contribution Terms Vicinity
- 6N13968 contribution GE to Tokyo meeting
- 6N13973 contribution JNB to Tokyo meeting
- 6N13976 contribution Netherlands to Tokyo meeting
- 6N13978 contribution Belgium to Tokyo meeting
- 6N13990 SG ToR
- 6N14026 SC6 Tokyo plenary resolution
- 6N14029 LS position SC6 to SC17
- 6N14033 Ecma liaison to SG
- 6N14035 contribution SNV
- 6N14036 Singapore SG Agenda
- 6N14054 contribution JNB
- 6N14060 contribution Netherlands
- 6N14085 Singapore Meeting Minutes
- 6N14086 contribution Revised text 21481 NFC-IP2
- 6N14117 Berlin SG Agenda
- 6N14129 contribution SNV
- 6N14133 contribution Ecma
- 6N14134 contribution JNB
- 6N14140 contribution SNV
- 6N14149 contribution JNB rev
- 6N14151 contribution on NFCIP-1 DE
- 6N14153 contribution JNB corrigendum
- 6N14154 Chairmen's contribution

6N14160 Berlin SG meeting Minutes  
6N14203 Meeting Report of Study Group for Harmonization  
6N14226 Barcelona SC6 Resolution  
6N14256 Revised draft agenda for Korea SC6 Ad hoc

5. Directions on the improvement of the ISO/IEC 18092 and ISO/IEC 21481

Ad hoc Identified the following documents: 6N14151 contribution on NFCIP-1 DE, 6N14086 contribution Revised text 21481 NFCIP-2, 6N14133 contribution Ecma.

- From Berlin SG meeting we have following discussion and request editors to implement this to ISO/IEC 21481 revision.
  - 5.1.2 N14133 from Ecma
  - The Singapore revision of 21481 is 6N14086.
  - The Berlin SG recommended implementing the Ecma contribution in 6N14133 that proposes to amend clause 4.3, 6 and 7 by making references to “fc” instead of redefining “frequencies”.
- In the 6N14151 section 9.2.2.2 Modulation, modulation index was proposed to change from “8 % to 30 %” to “8 % to 14 %.” The suggested change would break backward compatibility and therefore could not be accepted.
- Ad hoc group instructs editors to update the document based on the Berlin SG meeting 6N14160, section 5.6, clause 2.1 of 6N14149, 06N14151, 6N13965, 6N13966 and 6N13967 for the next edition for ISO/IEC 18092.
- Ad hoc group reviewed the updated documents 18092 based on the input of the Berlin SG meeting 6N14160, section 5.6.
- Ad hoc group instructs editors to proceed with further editing.
- After completing the edited document, Ad hoc group will distribute the updated document in 6N14260 for review and discuss at Croatia Ad hoc.

Regarding the Singapore SG (6N14085) recommendation on adding the “PICC mode” and “VICC mode” as mandatory modes in 21481, Ad hoc group resolves to not include “VICC mode” in 21481 unless a convincing contribution is

submitted to the Croatia Ad hoc meeting.

Takayama-san expressed his worries about the interoperability between the modes. Ad hoc group resolves to not add further statement about interoperability to 21481 unless a convincing contribution is submitted to the Croatia Ad hoc meeting.

- Ad hoc group will distribute the improved document in 6N14261 (the first WD 21481:2010) for review and expect to finalize at Croatia Ad hoc.
- Ad hoc group plans to ask SC6/WG1 September meeting for the endorsement of the improved documents.

#### 6. Other contributions

Ecma announced a contribution that implements support for ISO/IEC 13157 in 18092.

#### 7. Next steps

- In the 6N14151 section 9.2.2.2 Modulation on the ISO/IEC 18092, modulation index was proposed to change from “8 % to 30 %” to “8 % to 14 %.” The suggested change would break backward compatibility and therefore could not be accepted. Japanese delegation announced to submit a contribution on this issue for review at Croatia Ad hoc meeting.
- Regarding the Singapore SG (6N14085) recommendation on adding the “PICC mode” and “VICC mode” as mandatory modes in 21481, Ad hoc group resolves to not include “VICC mode” in 21481 unless a convincing contribution is submitted to the Croatia Ad hoc meeting.
- Ad hoc group resolves to not add further statement about interoperability to 21481 unless a convincing contribution is submitted to the Croatia Ad hoc meeting.
- Ad hoc group reviewed and distribute the revised documents in 6N14xxx and 6N14yyy on ISO/IEC 18092 and ISO/IEC 21481 and discuss at Croatia Ad hoc, and also ask call for contributions on the improvement of the NFC series of standards, in particular yellow highlighted issues in these documents.

#### 8. Subsequent meeting planning

2010-05-31(M) 9:00AM to 2010-06-02 (W), 12:00 Noon, at Croatia/Zagreb

9. Closing of the meeting by the Convenor

The Ad hoc group expresses sincere appreciation to the Mr. Myung Sun and Mr. Sung-Soon Joo of ETRI and Ms. Jooran Lee of SC6 Secretariat for their excellent meeting environment support and preparation.