

**3GPP2 TSG-SX
Meeting Summary #5 – Kyoto, Japan**

DATE: March 18, 2014
LOCATION: Kyoto, Japan
CHAIR: Dr. Xiaowu (Frankle) Zhao, ZTE
VICE CHAIR: Yuezhen Wang, China Telecom
 Mike Dolan, Alcatel-Lucent
SECRETARIAT: Eileen McGrath Doohan, representing 3GPP2

OPENING PLENARY

1. TSG-SX Opening Remarks by TSG-SX Chair

The TSG-SX Chair conducted TSG-SX plenary meeting sessions as follows (times are in local time):

- Opening plenary 9:00 AM – 10:00 AM, Tuesday, March 18, 2014.
- Closing plenary 8:15 – 9:15AM, Friday, March 21, 2014.

2. Introduction and Attendance Registration

Chair Xiaowu welcomed everyone to Kyoto for the March meeting. Ms. Doohan conducted a roll call of member companies. In the Plenary sessions during the week, 6 of 10 quorum members responded as present, for 60% quorum. Refer to the quorum list in “ Section 13. Adjournment ” for details. Attendance was recorded as follows:

Company	Name	E-mail
Alcatel-Lucent	Mike Dolan	mike.dolan@alcatel-lucent.com
Alcatel-Lucent	Terry Jacobson	terry.jacobson@alcatel-lucent.com
Ericsson	Ke-Chi Jang	ke-chi.jang@ericsson.com
Huawei	Jixing Liu	liujixing@huawei.com
Qualcomm	Roosbeh Atarius	ratarius@qti.qualcomm.com
Qualcomm	Alex Gogic	agogic@qti.qualcomm.com
Qualcomm	Jack Nasielski	jackn@qti.qualcomm.com
Qualcomm	Jun Wang	jwang@qti.qualcomm.com
RITT	Xiayu LI	lixiyu@ritt.cn
ZTE	Xiaowu Zhao	Zhao.xiaowu@zte.com.cn
3GPP2	Eileen McGrath Doohan	eileen.m.doohan@me.com
ARIB	Yoshinori Ohmura	y-ohmura@arib.or.jp
TTC	Noriyuki Shigeta	shigeta@ttc.or.jp
TTC	Shin Suzuki	suzuki@ttc.or.jp

3. Numbering of Contributions

The following SX00-20140318-xxx documents were numbered and assigned to the listed agenda items, as follows:

#	Subject	Source	Status
000	Document Register		FYI.
001	Agenda	Chair, TSG-SX	Approved. Updated to R4.

#	Subject	Source	Status
002	TSG-SX Summary Meeting Report for the previous meeting, with Action List	Chair, TSG-SX	Approved. Secretariat requested to post to the 3GPP2 website.
003	TSG-SX Projects Work Plan	Secretariat, TSG-SX	Remanded to WGs.
004	Reserved	N/A	N/A.
005	WG1 Agenda	Chair, WG1	FYI.
006	WG2 Agenda	Chair, WG2	FYI.
007	WG3 Agenda	Chair, WG3	FYI.
008	WG4 Agenda	Chair, WG4	N/A.
009	3GPP2 Work Plan folder	Director, 3GPP2	FYI.
010	Incoming Correspondence dated February 28, 2014 re: Comments form ballot for TIA-PN-928-A-1 / X.P0008-A v2.0	Chair, TIA TR-45.8	Remanded to WG2.
010A	TIA-PN-928-A-1 Ballot Comments (ALU)	Chair, TIA TR-45.8	Remanded to WG2.
011	Incoming Correspondence dated February 28, 2014 re: Comments form ballot for TIA-PN-4951-A / X.P0065-A v1.0	Chair, TIA TR-45.8	Remanded to WG2.
011A	TIA-PN-4951-A Ballot Comments (ALU)	Chair, TIA TR_45.8	Remanded to WG2.
012	Incoming Correspondence dated December 16, 2013 re: Publication of GSMA HD Voice Logo Technical Annex C, D v2 for Mobile Networks and Terminals for the usage of the "HD voice" logo with GSM/UMTS or cdma2000	GSMA	FYI.
013	Incoming Correspondence dated February 18, 2014 re: Attachment 5.7 to Document 5D/615 Architecture and Topology of IMT Networks	ITU-R WP5D	FYI.
013A	Architecture and Topology of IMT Networks	ITU-R WP5D	FYI.
014	Incoming Correspondence dated February 26, 2014 re: Technical feasibility of IMT in the bands above 6 GHz	ITU-R WP5D	FYI.
014A	Technical feasibility of IMT in the bands above 6 GHz	ITU-R WP5D	FYI.
015	Email transmittal of Courtesy Copy of Correspondence dated February 13, 2014 re: TSG-AC Response to 14 January 2014 Reply LS 3GPP2 USSD Support	Chair, 3GPP2 TSG-AC	FYI.

#	Subject	Source	Status
015A	Courtesy Copy of Correspondence dated February 11, 2014 re: TSG-AC Response to 14 January 2014 Reply LS 3GPP2 USSD Support	Chair, 3GPP2 TSG-AC	FYI.
016	Email transmittal dated February 12, 2014 re: For Your Review by 10 April 2014 – One (1) Work Item Worksheet	Director, 3GPP2	Remanded to WG1.
016A	Work Item 3GPP2-00337: Guidelines for cdma2000 1x Revision F M2M Features	Sponsors	Remanded to WG1.
017	Email transmittal dated February 11, 2014 re: SC.R2007-002-0 v1.0 (Release 7 SRG)	Director, 3GPP2	FYI.
018	Incoming Correspondence dated February 5, 2014 re: Three (3) Work Items Approved	Director, 3GPP2	FYI.
019	Email transmittal dated February 27, 2014 re: 3GPP2 TSG-AC Correspondence – Publication of C.R1013-0	VP Certification Programs, CTIA	FYI.
020	Email transmittal dated January 24, 2014 re: Further Liaison Statement from ETSI TC SCP	Director, 3GPP2	FYI.
020A	Incoming Correspondence re: LS on UICC Access Optimization	ETSI TC SCP	FYI.
021	Email transmittal dated January 21, 2014 re: re-transmittal of LS from GSMA to 3GPP2 – Publication of GSMA HD Voice Logo Technical Annex C, D (v2)	Director, 3GPP2	See related material in contribution 012. FYI.
021A	Incoming Correspondence dated December 16, 2013 re: Publication of GSMA HD Voice Logo Technical Annex C, D v2 for Mobile Networks and Terminals for the usage of the “HD voice” logo with GSM/UMTS or cdma2000	GSMA	FYI.
021B	Minimum Technical Requirements for use of the HD Voice Logo with GSM/UMTS issued by GSMA (Annex C) version 2.0, November 12, 2013	GSMA	FYI.
021C	Minimum Technical Requirements for use of the HD Voice Logo with cdma2000 issued by GSMA (Annex C) version 2.0, November 12, 2013	GSMA	FYI.
022	Incoming Correspondence dated January 16, 2013 re: For Your Review by March 14, 2014 – Three (3) Work Item Worksheets	Director, 3GPP2	Remanded to WG1.

#	Subject	Source	Status
022A	Work Item 3GPP2-00334: MEID Conformance Testing Corrections	Sponsors	Remanded to WG1.
022B	Work Item 3GPP2-00335: Conversion of Parameter Administration Report to a Specification	Sponsors	Remanded to WG1.
022C	Work Item 3GPP2-00336: Conversion of Parameter Administration Report to a Specification	Sponsors	Remanded to WG1.
023	Incoming Correspondence dated January 7, 2014 re: SC.R4002-0 v10.0 Published	Director, 3GPP2	FYI.
024	Incoming Correspondence dated January 7, 2014 re: S.S0152-0 v1.0 Published	Director, 3GPP2	FYI.
025	Incoming Correspondence dated January 7, 2014 re: X.S0062-A v1.0 Published	Director, 3GPP2	FYI.
026	Incoming Correspondence dated January 7, 2014 re: X.S0069-0 v1.0 Published	Director, 3GPP2	FYI.
027	Incoming Correspondence dated January 7, 2014 re: X.S0042-B v1.0 Published	Director, 3GPP2	FYI.
028	Email Correspondence dated March 10, 2014 re: work item proposal on xHRPD	SoftBank Mobile	FYI.
029	PMT Summary Report for December 2013	Chair, 3GPP2 PMT	FYI.
030	PMT Summary Report for January 2014	Chair, 3GPP2 PMT	FYI.
031	Membership Report for 2014	Director, 3GPP2	FYI.
032	Extended High Rate Packet Data Enhancements	SoftBank Mobile, Sprint, Qualcomm	FYI.
032A	Supporting documents	SoftBank Mobile, Sprint, Qualcomm	FYI.
100r1	Agenda for next meeting for TSG-SX	Chair, TSG-SX	Approved for posting to website.
101	Meeting Report for WG1	Chair, WG1	FYI.
101Ar1	Workplan	Chair, WG1	FYI.
101Br2	Proposed Outgoing Correspondence to TR-45.8 re: S.R0150-A	Chair, TSG-SX	Approved for transmittal.
101C	S.P0153-0 v0.6 V&V text, due in June 30, 2014	Chair, WG1	Approved for V&V.
101C/A	PDF version of 101C	Chair, WG1	Approved for V&V.

#	Subject	Source	Status
101C/B	V&V Comment form for 101C	Chair, WG1	Approved.
101D	S.P0150-0 v0.8 V&V text, due in June 30, 2014	Chair, WG1	Approved for V&V.
101D/A	PDF version of 101D	Chair, WG1	Approved for V&V.
101D/B	V&V Comment form for 101D	Chair, WG1	Approved.
101Er2	Proposed Outgoing Correspondence to TR-45.8 re: S.R0153-A v0.6	Chair, TSG-SX	Approved for transmittal.
101F21	Notification of development of S.R0143-A to update for satellite support, publication in Feb 2015	Chair, TSG-SX	Approved for transmittal.
101G	Proposed Outgoing Correspondence to PMT re: Work Item Review	Chair, TSG-SX	Approved for transmittal.
102r1	Meeting Report for WG2	Chair, WG2	FYI.
102A	X.S0008-A v2.0 – for publication	Chair, WG2	Approved for publication.
102B	X.S0065-A v1.0 – for publication	Chair, WG2	Approved for publication.
102C	Work Plan updates	Chair, WG2	Approved.
102D	Proposed Outgoing Correspondence to TR-45.8 re: X.S0008-A v2.0 re: Publication	Chair, TSG-SX	Approved for transmittal.
102E	Proposed Correspondence to TR-45.8 re: X.S0065-A v1.0 re: Publication	Chair, TSG-SX	Approved for transmittal.
103Ar1	Meeting Report for WG3	Chair, WG3	FYI.
103B	Work Plan updates	Chair, WG3	Approved.
103C	X.P0057-B v1.4 for V&V	Chair, WG3	Approved for V&V.
103D	PDF version of 103C	Chair, WG3	Approved for V&V.
103E	V&V Comment form for 103C	Chair, WG3	Approved for V&V.
103Fr1	Proposed Outgoing Correspondence to TR-45.8 re: X.P0057-B v1.4 V&V, comments due June 30, 2014	Chair, TSG-SX	Approved for transmittal.
103G	X.P0068-0 v0.91 for V&V	Chair, WG3	Approved.
103H	PDF version of 103G	Chair, WG3	Approved.
103I	V&V Comment form for 103G	Chair, WG3	Approved.
103Jr1	Proposed Outgoing Correspondence to TR-45.8 re: X.P0068-0 v9.1 V&V due June 30, 2014	Chair, TSG-SX	Approved for transmittal.
104	Meeting Report for WG4	Chair, WG4	N/A.
105 (file# 1)	Basic Elements of an IMT System	Vice-chair, TSG-SX	Approved for transmittal with 105A to TSG-AC.

#	Subject	Source	Status
105A	Proposed Outgoing Correspondence to TSG-AC Re: Response to the LS from ITU WP5D on Architecture and Topology of IMT Networks	Chair, TSG-SX	Approved for transmittal to TSG-AC.

4. Agenda Review & Approval

- **SX00-20140318-001**: Approved. During the meeting, the agenda was updated to R4.

5. Meeting Summaries Review and Approval

- **SX00-20140318-002**: the TSG-SX previous Meeting Summary was approved as presented. A PDF will be posted by the Secretariat.

6. Correspondence and Liaisons

Incoming correspondence and liaisons were discussed at the meeting: as noted in Section 3.

The following outgoing correspondence and documents were approved for transmission:

List of Outgoing Correspondence ¹	Plenary Contribution Number	Description	Status
SX-201403-01	105A	LS to AC re: TSG-SX Input to ITU-R WP 5D	Approved.
SX-201403-02	101Br1	Corr to TR-45.8 re: S.R0150-A V&V	Approved.
SX-201403-03	101Er1	Corr to TR-45.8 re: S.R0153-A v0.6 V&V	Approved.
SX-201403-04	101Fr1	Notification of development of SR0143-A v0.1 Initiation	Approved.
SX-201403-05	101G	Work Item Review	
SX-201403-06	102D	Corr to TR-45.8 re: X.S0008-A v2.0 Publication	Approved.
SX-201403-07	102E	Corr to TR-45.8 re: X.S0065-A v1.0 Publication	Approved.
SX-201403-08	103Fr1	Corr to TR-45.8 re: X.P0057-V v1.4 V&V	Approved.
SX-201403-09	103Jr1	Corr to TR-45.8 re: X.P0068-0 v9.1 V&V	Approved.

Note 1: This identifier is used for cross-TSG correspondence tracking.

Refer to [Section 3](#) for additional actions/decisions.

7. Working Group Business

7A. WG1:

- **SX00-20140318-005**: FYI for WG1.
- **SX00-20140318-101**: WG1 report, as noted in Section 3.

7B. WG2:

- **SX00-20140318-006**: FYI for WG2.
- **SX00-20140318-102**: WG2 report, as noted in Section 3.

7C. WG3:

- **SX00-20140318-007**: FYI for WG3.
- **SX00-20140318-103**: WG3 report, as noted in Section 3.

7D. WG4:

- **SX00-20140318-008, 018**: FYI for WG4.
- **SX00-20140318-104**: WG4 report, as noted in Section 3.

8. Unfinished Business:

8.A. R&F: X.P(S)0057-B v1.2 (E-UTRAN – eHRPD Connectivity and Interworking: Core Network):

- N/A.

8.B. R&F: X.P(S)0068-0 v0.2: (Network Enhancements to Machine to Machine)

- N/A.

8.C. R&F: S.P(R)0150-0 v0.2: (SON)

- N/A.

8.D. R&F: S.P(R)0153.0 v0.3: (Inter-Tech Spectrum Optimization)

- N/A.

8.E. V&V: X.P(S)0008-A v2.0: (MAP for MEID)

- See **SX00-20140318-010/A**, in Section 3.

8.F. V&V: X.P(S)0065-A v0.9 (cdma2000 USSP):

- See **SX00-20140318-011/A**, in Section 3.

8.G. Publication: X.S0042-B v1.0: (Dual Radio Voice Call Continuity btn IMS and CS Systems)

- See **SX00-20140318-027**, in Section 3.

8.H. Publication: X.S0062-A v1.0: (Policy and Charging Control for cdma2000 1x and HRPD)

- See **SX00-20140318-025**, in Section 3.

8.I. Publication: X.S0069-0 1.0: (Concurrent Volume and Duration Based PrePaid MMD)

- See **SX00-20140318-026**, in Section 3.

8.J. Publication: S.S0152-0 v1.0: (Security Framework for Binding of Access Sub with Device)

- See **SX00-20140318-024**, in Section 3.

8.K. Other Topics:

- N/A.

9. New Business: as per Working Group Business

9.A. V&V: X.P(S)0057-B v1.4 (E-UTRAN – eHRPD Connectivity and Interworking: Core Network):

- See **SX00-20140318-103C**, in Section 3.

9.B. V&V: X.P(S)0068-0 v0.91: (Network Enhancements to Machine to Machine)

- See **SX00-20140318-103G**, in Section 3.

9.C. V&V: S.P(R)0150-0 v0.8: (SON)

- See **SX00-20140318-101D/A**, in Section 3.

9.D. V&V: S.P(R)0153.0 v0.6: (Inter-Tech Spectrum Optimization)

- See **SX00-20140318-101C/A**, in Section 3.

9.E. Publication: X.S0008-A v2.0: (MAP for MEID)

- See **SX00-20140318-102A**, in Section 3.

9.F. Publication: X.S0065-A v1.0 (cdma2000 USSP):

- See **SX00-20140318-102B**, in Section 3.

9.G. Other:

- **Enhanced High Rate Packet Data Enhancements**
 - See SX00-20140315-032/A, in Section 3.

10. Assignments:

10.A. TSG-SX Workplan: SX00-20140318-003:

- To be updated by TSG-SX Secretariat.

10.B. TSG-SX Agenda for Next Meeting: SX00-20140318-100:

- Approved for posting to the 3GPP2 website.

11. Next Meetings Schedule:

- **SX00-20140318-100:** The meeting agenda for Dalian, China was presented for review. During the review, the contribution was updated to R1.
 - Meeting Location: *Dalian, China*

12. Open Discussion:

12.A. SC Assignment to Report on December 2014 meeting schedule:

- The Chair of TSG-SX will report that only one (1) Working Group (WG2) has requested a face-to-face meeting in December. WG1 will work electronically to prepare for their December V&V of S.R0143-A v1.0, to support the new work item this month, sponsored by Softbank Mobile, Sprint, Qualcomm. This will be included in the TSG-SX Chair's report to the SC.

13. Adjournment

The TSG-SX Closing Plenary was adjourned at 10:15AM local time on Friday, March 21, 2014. At the closing of TSG-SX meeting #5, there were 6 quorum members present from the quorum list of 10 companies for 60% quorum, listed as follows:

	Company Name ¹	Attended 2013/03/11	Attended 2013/06/03	Attended 2013/09/09	Attended 2013/12/02	Attended 2014/03/18
1.	Alcatel-Lucent	1	1	1	1	1
2.	Applied Communication Sciences¹	1	1	1		
3.	China Telecom	1	1	1	1	
4.	Ericsson				1	1
5.	Huawei Technologies	1	1	1	1	1
6.	Kyocera¹	1		1		
7.	Qualcomm	1	1	1	1	1
8.	RITT	1		1	1	1
9.	Sprint/Nextel¹	1	1	1		
10.	ZTE Corporation	1	1	1	1	1
	Quorum Total	<u>12</u>	<u>10</u>	<u>11</u>	<u>7</u>	<u>6</u>

Note 1: Companies in **bold** were quorum members as of this meeting. As per articles 25a & 25b of the "Working Procedures Document", version 12, a member is added to the next meeting's quorum list after attendance of two consecutive meetings. A company missing three consecutive meetings will be dropped from that group's quorum list. Voting rights are established upon attendance at the 2nd consecutive meeting. Individual members that miss three consecutive meetings of the TSG are dropped from the TSG voting list at the close of the 3rd meeting.