

**3GPP2 TSG-SX
Meeting Summary #1 – Busan, Korea**

DATE: March 11, 2013
LOCATION: Busan, Korea
CHAIR: Dr. Xiaowu (Frankle) Zhao, ZTE
VICE CHAIR: Yuezhen Wang, China Telecom
 Mike Dolan, Alcatel-Lucent
SECRETARY: 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 – 12:13 PM, Monday, March 11, 2013.
- Interim Plenary 3:00 – 3:15PM, Monday March 11, 2013.
- Closing plenary 8:40 – 10:57 AM, Friday, March 15, 2013.

2. Introduction and Attendance Registration

Ms. Doohan conducted a roll call of member companies. 12 of 16 quorum members responded as present, for 75% quorum. Refer to the quorum list in Section "14. Adjournment" for details. Attendance was recorded as follows:

Company	Name	E-mail
Alcatel-Lucent	Mike Dolan	Mike.dolan@alcatel-lucent.com
Alcatel-Lucent	Jane Brownley	jane.brownley@alcatel-lucent.com
Applied Communication Sciences	Achilles Kogiantis	akogiantis@appcomsci.com
China Telecom	Yuezhen Wang	wangyzh@gsta.com
China Telecom	Li Wenyi	liwenyi@gsta.com
China Telecom	Heng Nie	nieheng@ctbri.com.cn
Huawei	Jixing Liu	liujixing@huawei.com
NEC	Hirofumi Okata	h-okata@cq.jp.nec.com
Nokia Siemens Networks	Victor Coello	Victor.coello@nsn.com
Qualcomm	Roobeh Atarius	ratarius@qti.qualcomm.com
Qualcomm	Alex Gogic	agogic@qti.qualcomm.com
Qualcomm	Jack Nasielski	jackn@qualcomm.com
Qualcomm	Jun Wang	iwang@qti.qualcomm.com
RITT/CCSA	Xiayu Li	lixiayu@mail.ritt.com.cn
Sprint Nextel	Bonnie Chen	BonnieChen@sprint.com
Sprint Nextel	George Cummings	George.cummings@sprint.com
ZTE	Xiaowu Zhao	Zhao.xiaowu@zte.com.cn
3GPP2	Eileen McGrath Doohan	eileen.m.mcgrath@mac.com

3. Numbering of Contributions

The following SX00-20130311-xxx documents were numbered and assigned to the listed agenda items, as follows:

#	Subject	Source	Status
000	Document Register	Chair, TSG-SX	FYI.
001r1	Agenda	Chair, TSG-SX	Approved, modified as r3.

#	Subject	Source	Status
002	TSG-X Summary Meeting Report, December 2012	Chair, TSG-X	Approved for posting.
003	Incoming Liaison to TSGs re: For Your Review by 12 March 2013 – Four (4) Work Item Worksheets	Director, 3GPP2	Advance Remanded WG1.
003A	00319: WI Proposal re: cdma2000 Single Radio Voice Call Continuity for IMS Emergency Calls (X-02A)	Sponsors	Advance Remanded WG1.
003B	00320: WI Proposal re: USSD Messaging on a Common Channel (X-02B)	Sponsors	Advance Remanded WG1.
003C	00321: WI Proposal re: Bug Fixes for R-UIM Specification	Sponsors	Advance Remanded WG1.
003D	00322: WI Proposal re: CDMA Card Application Toolkit Support for USSD and Advanced Location	Sponsors	Advance Remanded WG1.
004	TSG-S Summary Meeting Report, December 2012	Chair, TSG-S	Approved for posting.
005	TSG-C Liaison Report for December 10-14 2012	TGS-C Liaison	FYI.
005A	WI Proposal re: Bug Fixes for R-UIM Specification	Sponsors	FYI
005B	WI Proposal re: CDMA Card Application Toolkit Support for USSD and Advanced Location	Sponsors	FYI.
006	Courtesy Copy of Liaison to TIA TR-45.4 dated Dec 13, 2012 re: Approval of TSG-A Specifications for Publication	Chair, TGS-A	FYI.
007	Courtesy Copy of Liaison to TIA TR-45.4 dated Dec 13, 2012 re: Initiation of V&V for TSG-A Specification(s), originally copied to TSG-S and TSG-X	Chair, TSG-A	FYI.
008	Courtesy Copy of Liaison to 3GPP2 TSG RAN3 dated December 12, 2012 re: R3-122935 – LS on LTE-HRPD inter RAT SON, originally copied to TSG-S and TSG-X	Chair, TSG-A	FYI.
009	Courtesy Copy of Liaison to 3GPP2 Director dated December 14, 2012 re: Work Plan Questions	Chair, TSG-C	FYI.
010	Incoming Liaison dated December 14, 2012 re: TSG-C review of S.P0148-A v0.2 Dynamic RAN Power Management Stage 1, originally addressed to TSG-S	Chair, TSG-C	Remanded to WG1.
011	Incoming Liaison dated December 14, 2012 re: V&V Initiation of S.P0148-A v0.3 – Comments Due 8 March 2013	Director, 3GPP2	Remanded to WG1.
012	Incoming Liaison dated December 14, 2012 re: V&V Initiation of S.P0151-A v0.8 – Comments Due 8 March 2013	Director, 3GPP2	Remanded to WG1.
013	Courtesy Copy of Liaison to SC dated December 14, 2012 re: For Your Review by 28 December 2012 – Two (2) Work Item Worksheets	Director, 3GPP2	FYI.
014	Courtesy Copy of Liaison to SC dated December 14, 2012 re: For Your review by 29 December 2012 – S.R0126-A v1.0	Director, 3GPP2	FYI.
015	Courtesy Copy of Liaison to SC PMT dated December 14, 2012 re: New work item proposals	Chair, TSG-X	FYI.

#	Subject	Source	Status
015A	WI Proposal re: cdma2000 Single Radio Voice Call Continuity for IMS Emergency Calls (X-02A)	Sponsors	FYI.
015B	WI Proposal re: USSD Messaging on a Common Channel (X-02B)	Sponsors	FYI.
016	Courtesy Copy of Liaison to ITU-T SG11 dated December 14, 2012 re: Request for feedback on attached draft revision of Supplement 62 to ITU-T Q series Recommendations	Chair, TSG-X	FYI.
016A	Modifications to Draft revised Supplement TRQ.ETS-Overview	Chair, TSG-X	FYI.
017	Courtesy Copy of Liaison to ITU-T SG11 dated December 14, 2012 re: Availability of civic alerting function of 3GPP / 3GPP2 terminal at roaming	Chair, TSG-X	FYI.
018r1	TSG-SX Correspondence Template v2.0	Secretariat, TSG-SX	Approved for posting.
019	Redirected Correspondence to TSG-SX dated December 13, 2012 re: Release of WI(s) for TSG Review, originally addressed to TSG-X	Chair, TSG-S	Advance Remanded to WG1.
019A	00318: WI Proposal re: CDMA-LTE Carrier Aggregation Study	Sponsors	Advance Remanded to WG1.
019B	Work Item Tracking List	TSG-S PMT	Advance Remanded to WG1, FYI.
020	TSG-S Liaison Report for December 2012	Secretary, TSG-S	FYI.
021	Incoming LS dated Jan 28 2013 re: LS on MSISDN Delivery for 3GPP2 network	3GPP SA2	Remanded to WG3.
022	TSG-SX WG 1 Meeting Report from Jan 14, 2013	Chair, TSG-SX WG1	FYI.
023	TSG-SX WG1 Meeting Report from Feb 25, 2013	Chair, TSG-SX WG1	FYI.
024	Notification of 3GPP2 TSG-SX Development of a 3GPP2 Technical Document: S.R0148-A Dynamic RAN Power Management Stage 1	Chair, TSG-SX WG1	FYI.
025r1	TSG-SX Terms of Reference	ALU and US Cellular	Approved. Chair to present to SC.
026	Comments on SC-level documents	ALU	Approved as attachment for outgoing correspondence to PMT.
027A	Attachment to oneM2M on collaboration	ALU	Closed.
027Br1	LS to oneM2M on collaboration	ALU	Closed.
028	Work Item on Interworking for 3GPP Release 11	China Telecom, ALU, et al	Remanded to WG1.
029	Incoming LS dated Feb 19, 2013 re: Study on IMT Vision for 2020 and Beyond	ITU-R WP5D	FYI.
030	Incoming LS dated Feb 19, 2013 re: Study on Future Technology Trends for Terrestrial IMT Systems	ITU-R WP5D	FYI.
031	Incoming LS dated Feb 19, 2013 re: Revision of recommendations ITU-R M.1580-4 and ITU-R M.1581-4	ITU-R WP5D	FYI.
032	TSG-SX WG2 MMD Agenda for Busan	Chair, TSG-SX WG2	FYI.
033	TSG-SX WG1 V&V Comments on S.P0151-0 v0.4 eHRPD – E-UTRAN Interworking Matrix TR	TSG-SX WG1	Remanded to WG1.
034	Wireless Characteristics Matrix Combined	NIST	Remanded to WG4. Chair noted that the March 21 conference call scheduled to generate a response.

#	Subject	Source	Status
035	TSG-SX WG4 Conference Call Summary	Chair, TSG-SX WG4	FYI.
036	China Telecom Presentation to support CLCA Study work item	China Telecom	Remanded to WG1.
037r1	TSG-SX Structure and Leadership	Chair	Noted for TSG operating practice.
038	TSG-SX WG3 PDS Meeting Agenda	Chair, TSG-SX WG3	FYI.
039	TR-45.8 re: TIA-PN-4977 ballot comments	Chair, TR45.8	Remanded to WG1.
039A	TIA-PN-4977 Ballot comments (ALU)	Chair, TR-45.8	Remanded to WG1.
039B	TIA-PN-4977 Ballot comments (Q)	Chair, TR-45.8	Remanded to WG1.
039C	TIA-PN-4977 Ballot comments (NSN)	Chair, TR-45.8	Remanded to WG1.
040	TR-45.8 re: TIA-PN-928-A ballot comments, X.P0008-A v0.2	Chair, TR-45.8	Remanded to WG1.
040A	TIA-PN-928-A Ballot Comments (ALU)	Chair, TR-45.8	Remanded to WG1.
040B	TIA-PN-928-A Ballot Comments (NSN)	Chair, TR-45.8	Remanded to WG1.
041	TR-45.8 re: TIA-PN-4945-A ballot comments, S.R0148	Chair, TR-45.8	Remanded to WG1.
041A	TIA-PN-4945-A Ballot comments (ALU)	Chair, TR-45.8	Remanded to WG1.
042	TSG-SX WG1 Meeting Agenda	Chair, TSG-SX WG1	FYI.
043	V&V Comments on X.P0008-A	3GPP2 Secretariat	Remanded to WG2.
044	3GPP2 SC.R4002-0 v8.3	TIA TR-45 EUMAG	Remanded to WG1.
045A	TSG-X Workplan	Director, 3GPP2	Remanded to all WGs, FYI.
045A1	TSG-X Workplan MMD Updates	WG2	Remanded to Secretariat for inclusion to TSG-SX Projects Work Plan.
046	3GPP2 Workplan Files	Director, 3GPP2	Remanded to WG1, FYI.
047	oneM2M 3GPP and 3GPP2 Defined Networks	oneM2M	Closed.
048	PMT Meeting Summary	SC PMT	Remanded to WG1.
049	Incoming Correspondence re: SC-level documents review	SC PMT	FYI.
049A	SC-level documents	SC PMT	FYI.
050r1	Proposed Outgoing Correspondence to PMT re: SC-level Document Review Comments	Chair, TSG-SX	Approved for Distribution.
050A	SC-level Documents Review Comments	ALU	Approved for Distribution.
051	Proposed Outgoing Correspondence to PMT re: Work Item Review Comments	TSG-SX	Approved for Distribution.
051A	Work Item 3GPP2-00322, CCAT Support for USSD and Advanced Location	TSG-SX	Approved for Distribution.
100	Document Status Table	WG1	FYI.
101r3	WG Report to Closing Plenary	WG1	Report was presented as FYI.
101Ar1	WG1 Development Schedule	WG1	N/A
101B	Not Used	WG1	N/A
101C	S.P0151-0 V&V Comment Disposition Record	WG1	Approved as attachment to 101J.
101D	S.P0151-0 v0.5 S.P0151-0 v0.5 eHRPD – EUTRAN Interworking Matrix TR	WG1	Approved for a 2 nd V&V, based upon technical comments received at 1 st V&V.
101DA	101D, PDF form	WG1	Approved for 2 nd V&V, based upon technical comments received at 1 st V&V.
101E	Outgoing Correspondence to TIA TR-45.8 re: V&V Comment Disposition of S.P0151-0 v0.4 eHRPD – EUTRAN Interworking Matrix	WG1	Approved for distribution with 101C.
101F	S.P0148-A V&V Comment Disposition Record	WG1	Approved as attachment to 101H.

#	Subject	Source	Status
101G	S.P0148-A v1.0, Dynamic RAN Power Management Stage 1 (Word)	WG1	Approved for publication as attachment to 101H.
101GA	S.P0148-A v1.0, Dynamic RAN Power Management Stage 1 (PDF)	WG1	Approved for publication as attachment to 101H.
101Hr2	Outgoing Correspondence to TIA TR-45.8 re: S.P0148-A dated March 15, 2013	WG1	Approved for distribution with 101F, 101G, 101GA.
101I	SC.R4002-0 v9.0, GHA Assignment Guidelines and Procedures for MEID and SF_EUIMID (Word)	WG1	Approved for Publication.
101IA	SC.R4002-0 v9.0, GHA Assignment Guidelines and Procedures for MEID and SF_EUIMID (PDF)	WG1	Approved for Publication.
101Jr2	Outgoing Correspondence to TIA TR-45.8 re: Re-ballot of S.P0151-0 v0.5 dated March 15, 2013	WG1	Approved for distribution announcing 2 nd V&V, with attachment 101D, 101DA, 101K.
101K	V&V Comment Form - Generic	WG1	Approved as attachment to 101Jr1.
102r1	WG2 Report to Closing Plenary	WG2	FYI.
102A	X.P0042-B R&F (Word)	WG2	Approved for R&F, comments due next meeting.
102B	X.P0042-B R&F (PDF)	WG2	FYI.
103Ar1	WG3 Report	WG3	FYI.
103Br3	PDS Work Plan	WG3	Noted in TSG-SX Projects Work Plan.
103Cr1	Action Items	WG3	FYI.
103D	Proposed Outgoing Correspondence to TR-45.8 re: new project	WG3	Approved for distribution.
103E	Comment Form for X.P0062-A v0.8(PDF) for R&F	WG3	FYI.
103F	X.P0062-A v0.8 (Word) Approved for R&F	WG3	Approved for R&F.
103FA	X.P0062-A v0.8 (PDF) Approved for R&F	WG3	Approved for R&F.
103G	Proposed Outgoing Correspondence to TIA TR-45.8 re: PN Request for X.P0068-0 v1.0	WG3	Approved for Distribution.
104	WG4 (Reserved)	WG4	N/A
105r3	Meeting Agenda for Upcoming Meeting	Chair	Approved for posting.
106	TSG-SX Terms of Reference	Chair	Approved for submittal to SC.
107	Proposed Outgoing Correspondence from SC Chair to oneM2M dated March 18, 2013 re: Establishment of Liaison Relationship with oneM2M	Vice-chair	Approved as proposed input to SC Meeting in Busan, Monday, March 18, 2013.
108	TSG-AC Terms of Reference	TSG-AC	FYI.
109	SC PMT Terms of Reference	SC PMT	FYI.

4. Agenda Review & Approval

- **SX00-20130311-001:** R0 was approved as noted in Section 3.

5. Meeting Summaries Review and Approval

- **SX00-20130311-002:** the TSG-SX previous Meeting Summary was approved as presented. A PDF will be posted.

6. Correspondence and Liaisons

The following correspondence and liaisons were discussed at the meeting:

- **SX00-20130311-003/A/B/D/C, 005/A/B, 006, 007, 008, 009, 010, 011, 012, 013, 014, 015/A/B, 016/A, 017, 019/A/B, 020, 021, 024, 026, 027A/Br1, 029, 030, 031, 034, 039, 040, 041, 100.**

The following correspondence and documents were approved for transmission:

List of Outgoing Correspondence ^{e1}	Plenary Contribution Number	Description	Source	Status
SX-201303-01/A	SX00-20130311-050r1/A	Proposed Outgoing Correspondence to PMT re: SC-level Document Review Comments, with SC-level Documents Review Comments	WG1	Distributed
SX-201303-02/A	SX00-20130311-051	Proposed Outgoing Correspondence to PMT re: Work Item Review Comments, with Work Item 3GPP2-00322, CCAT Support for USSD and Advanced Location	WG1	Distributed
SX-201303-03/A	SX00-20130311-101E/C	Outgoing Correspondence to TIA TR-45.8 re: V&V Comment Disposition of S.P0151-0 v0.4 eHRPD – EUTRAN Interworking Matrix, with S.P0151-0 V&V Comment Disposition Record	WG1	Distributed
SX-201303-04/A/B/C	SX00-20130311-101Hr2/F/G/G A	Outgoing Correspondence to TIA TR-45.8 re: S.P0148-A dated March 15, 2013, with S.P0148-A v1.0, Dynamic RAN Power Management Stage 1 / Comment Disposition Record / (Word) / (PDF)/	WG1	Distributed
SX-201303-05/A/B/C	SX00-20130311-101Jr2/D/DA/K	Outgoing Correspondence to TIA TR-45.8 re: Re-ballot of S.P0151-0 v0.5 dated March 15, 2013, with (Word) / (PDF) / V&V Comment Form	WG1	Distributed
SX-201303-06	SX00-20130311-103D	Proposed Outgoing Correspondence to TR-45.8 re: new project	WG3	Distributed
SX-201303-07	SX-20130311-103G	Proposed Outgoing Correspondence to TIA TR-45.8 re: PN Request for X.P0068-0 v1.0	WG3	Distributed
SX-201303-08	SC-20130318-005A	TSG-SX Project Work Plan	Secretariat	Distributed
SX-201303-09	SX-20130311-105r3	TSG-SX Agenda June 2013	Chair	Posted
SX-201303-10	SX00-20130311-101I/IA	SC.R4002-0 v9.0, GHA Assignment Guidelines and Procedures for MEID and SF_EUIMID (Word) / (PDF)	WG1	Distributed

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:

- **SX00-20130311-022, 023, 028, 033, 042:** Remanded to WG1.
- **SX00-20130311-101:** WG1 report, as noted in Section 3.

7B. WG2:

- **SX00-20130311-032:** Remanded to WG2.
- **SX00-20130311-102:** WG2 report, as noted in Section 3.

7C. WG3:

- **SX00-20130311-021, 038:** Remanded to WG3.
- **SX00-20130311-103:** WG3 report, as noted in Section 3.

7D. WG4:

- **SX00-20130311-035:** Remanded to WG4.
- **SX00-20130311-104:** WG4 report, as noted in Section 3.

8. Unfinished Business

8A. V&V S.P0148-A v0.3: Dynamic Power RAN Management:

- **SX00-20130311-011:** Remanded to WG1.

8B. V&V S.P0151-0 v0.4:eHRPD – EUTRAN Interworking Matrix:

- **SX00-20130311-033:** Remanded to WG1.

8C. V&V X.P0008-A v0.3: MAP Support for Mobile Equipment Identity (MEID):

- **SX00-20130311-043:** Remanded to WG2.

8D. Other Topics: N/A

9. New Business:

9A. Scope and Charter:

- **SX00-20130311-025, 106: TSG-SX Terms of Reference:** Approved for presentation to the SC.
- **SX00-20130311-108:** TSG-AC Terms of Reference presented, FYI.
- **SX00-20130311-109:** PMT Terms of Reference presented, FYI.

9B. R&F Activity:

- **X.P0042-B v0.3, “Dual Radio Voice Call Continuity between IMS and Circuit Switched Systems”:** Approved for R&F, comments due in June, 2013.
- **X.P0062-A v0.8, “Policy and Charging Control (PCC) for cdma2000 1x and HRPD”:** Approved for R&F, comments due in June, 2013.

9C. V&V Activity:

- **SX00-20130311-101Jr2: S.P0151-0 v0.5, “eHRPD – EUTRAN Interworking Matrix”:** Approved for 2nd V&V, comments due in June, 2013.

9D. Publication:

- N/A

9E. Other Topics:

- **SX00-20130311-036: CDMA – LTE Carrier Aggregation Study presentation.** Approved assignment of new project: S.P(R)0153-0 v1.0, “Study for CDMA – LTE Carrier Aggregation”.
- **SX00-20130311-037r1: TSG-SX Restructure presentation.** Approved as practice and method for TSG-SX.
- **XS00-20130311-107: Proposed outgoing correspondence to oneM2M.** Approved for presentation to the SC meeting in Busan, Korea.

10. Assignments:

- **SX00-02130311-018r1: TSG-SX Correspondence template.** Approved for use by all WGs.
- **SX00-20130311-050/A: Correspondence to PMT re: SC-level Documents Review Comments.** Approved for distribution.

11. Review Assignments:

- It was noted there were no additional assignments.

12. Next Meetings Schedule:

- **SX00-20130311-105r3:**

Hyatt Regency Miami, 400 South East Second Avenue Miami, Florida, USA 33131-2197

Tel: +1 305 358 1234, Fax: +1 305 358 0529

- In addition, several upcoming WG conference calls were noted:

- **WG4:** March 21, 2013
- **WG2 & WG4:** Device Binding Conference Call: May 1, 2013, 10AM – Noon Pacific Time:

13. Open Discussion

N/A

14. Adjournment

The TSG-SX Closing Plenary was adjourned at 10:00AM local time on Friday, March 15, 2013. At the closing of TSG-SX meeting #1, there were 12 quorum members present from the quorum list of 16 companies, listed as follows:

	Company Name ¹	Attended 2013/03/11			
1.	Alcatel-Lucent	1			
2.	Applied Communication Sciences	1			
3.	China Telecom	1			
4.	Ericsson	1			
5.	Hitachi				
6.	Huawei Technologies	1			
7.	KDDI				
8.	Kyocera	1			
9.	Motorola Mobility				
10.	National Communications System				
11.	NEC	1			
12.	Nokia Siemens Networks	1			
13.	Qualcomm	1			
14.	RITT	1			
15.	Sprint/Nextel	1			
16.	ZTE Corporation	1			
17.	<i>CCSA - Observer</i>				

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.