

**3GPP2 TSG-SX  
Meeting Summary #6 –Plenary Conference Call**

**DATE:** July 15, 2014  
**LOCATION:** Dalian, China  
**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 9:10 AM – 10:20 AM, Tuesday, July 15, 2014.
- Closing plenary 8:15 – 9:15AM, Friday, July 18, 2014.

**2. Introduction and Attendance Registration**

Chair Xiaowu welcomed everyone to the meeting. Ms. Doohan conducted a roll call of member companies. In the Plenary sessions during the week, 7 of 10 quorum members responded as present, for 60% quorum. Refer to the quorum list in Section 13 for details. Attendance was recorded as follows:

<b>Company</b>	<b>Name</b>	<b>E-mail</b>
Alcatel-Lucent	Mike Dolan	<a href="mailto:mike.dolan@alcatel-lucent.com">mike.dolan@alcatel-lucent.com</a>
Alcatel-Lucent	Orlett Pearson	<a href="mailto:orlett.pearson@alcatel-lucent.com">orlett.pearson@alcatel-lucent.com</a>
Alcatel-Lucent	Terry Jacobson	<a href="mailto:terry.jacobson@alcatel-lucent.com">terry.jacobson@alcatel-lucent.com</a>
China Telecom	Biao Long	<a href="mailto:longb@gsta.com">longb@gsta.com</a>
China Telecom	Heng Nie	<a href="mailto:neiheng@ctbri.com.cn">neiheng@ctbri.com.cn</a>
China Telecom	Yuezhen Wang	<a href="mailto:wangzh@gsta.com">wangzh@gsta.com</a>
China Telecom	Ke Yin	<a href="mailto:yink@gsta.com">yink@gsta.com</a>
DHS Office of Emergency Communications	Carol-Lyn Taylor	<a href="mailto:Carol-Lyn.Taylor@dhs.gov">Carol-Lyn.Taylor@dhs.gov</a>
Huawei	Yingming Wang	<a href="mailto:wangyingming@huawei.com">wangyingming@huawei.com</a>
Qualcomm	Roobeh Atarius	<a href="mailto:ratarius@qti.qualcomm.com">ratarius@qti.qualcomm.com</a>
Qualcomm	Alex Gogic	<a href="mailto:agogic@qti.qualcomm.com">agogic@qti.qualcomm.com</a>
Qualcomm	Jack Nasielski	<a href="mailto:jackn@qti.qualcomm.com">jackn@qti.qualcomm.com</a>
Qualcomm	Jun Wang	<a href="mailto:jwang@qti.qualcomm.com">jwang@qti.qualcomm.com</a>
RITT	Wei Xin	<a href="mailto:xinwei@ritt.cn">xinwei@ritt.cn</a>
ZTE	Xiaowu (Frankle) Zhao	<a href="mailto:Zhao.xiaowu@zte.com.cn">Zhao.xiaowu@zte.com.cn</a>
Via Telecom, Inc.	Tony Lee	<a href="mailto:aslee@via-telecom.com">aslee@via-telecom.com</a>
3GPP2	Eileen McGrath Doohan	<a href="mailto:eileen.m.doohan@me.com">eileen.m.doohan@me.com</a>

**3. Numbering of Contributions**

The following SX00-20140715-xxx documents were numbered and assigned to the listed agenda items, as follows:

<b>#</b>	<b>Subject</b>	<b>Source</b>	<b>Status</b>
000	Document Register	Secretariat	FYI.
001	Agenda	Chair, TSG-SX	Approved.

#	Subject	Source	Status
002	TSG-SX Summary Meeting Report, September 2013, with Action List	Chair, TSG-SX	Approved.
003	TSG-SX Projects Work Plan	Editor	Remanded to WGs.
004	Reserved		
005	WG1 Agenda	Chair	FYI.
006	WG2 Agenda	Chair	FYI.
007	WG3 Agenda	Chair	FYI.
008	WG4 Agenda	Chair	Reserved (WG4 did not convene this week).
009	3GPP2 Work Plan folder	Director, 3GPP2	Remanded to all WGs.
010	Outgoing Correspondence to TIA-TR-45.8 dated March 22, 2014 re: Notification of Initiation of a Technical Document (S.R0153-0 v1.0)	Chair, TSG-SX	FYI.
010A	Work Item 3GPP2-00318: CDMA & LTE Carrier Aggregate Study	Sponsors	FYI.
011	Courtesy Copy of Correspondence to ETSI SCP TEC dated March 18, 2014 re: 13 December 2013 reply LS on usage of NULL bytes in the UICC	Chair, TSG-AC	FYI.
012	Courtesy Copy of Correspondence to TIA TR-45.4 dated March 21, 2014 re: Approval of TSG-AC Specification for Publication	Chair, TSG-AC	FYI.
013	Courtesy Copy of Correspondence to 3GPP2 Organization Partners dated March 18, 2014 re: Update of M.1457-12, "Detailed specifications of the terrestrial radio interface of International Mobile Telecommunications-2000 (IMT-2000)" for cdma2000	Chair, TSG-AC	FYI.
013A	Proposed M.1457-12 Submission Package	Chair, TSG-AC	FYI.
014	Email transmittal to 3GPP2 OPs and TSG-SX dated March 24, 2014 re: V&V Initiation – S.P0150-0 v0.8 – Comments due 30 June 2014	Director, Technology & Standards - 3GPP2 & oneM2M	FYI.
015	Email transmittal to 3GPP2 OPs and TSG-SX dated March 24, 2014 re: V&V Initiation – S.P0153-0 v0.6 – Comments due 30 June 2014	Director, Technology & Standards - 3GPP2 & oneM2M	FYI.
016	Email transmittal to 3GPP2 OPs and TSG-SX dated March 24 2014 re: V&V Initiation – X.P0057-B v1.4 – Comments due 30 June 2014	Director, Technology & Standards - 3GPP2 & oneM2M	FYI.
017	Email transmittal to 3GPP2 OPs and TSG-SX dated March 24, 2014 re: V&V Initiation – X.P0068-0 v0.91 – Comments due 30 June 2014	Director, Technology & Standards - 3GPP2 & oneM2M	FYI.
018	Email transmittal to 3GPP2 TSGs dated March 24, 2014 re: Three (3) Work Item Worksheets	Director, Technology & Standards - 3GPP2 & oneM2M	Remanded by Chair, WG1 in March, 2014.
018A	3GPP2-00340: Extended High Rate Packet Data Enhancements	Sponsors	Remanded by Chair, WG1 in March, 2014.
018B	3GPP2-00338: CCAT Bug Fix Point Release	Sponsors	Remanded by Chair, WG1 in March, 2014.
018C	3GPP2-00338: Multi-Application UICC File Handling Definition	Sponsors	Remanded by Chair, WG1 in March, 2014.
019	Liaison Statement to External Organization, Working document towards a preliminary draft new ITU-R Report on the Smart Grid project, Document 1A/Temp/61	ITU-R WP 1A	FYI.
020	Liaison Statement to External Organization, Architecture and Topology of IMT Networks, Document 5D/TEMP/404(Rev.2)	ITU-R WP 5D	FYI.
Zip #2	Attachment 5.9 to Document 5D/726	ITU-R WP 5D	FYI.

#	Subject	Source	Status
021	Liaison Statement to GCS Proponents and Transposing Organizations on the Provision of Transposition References and Certification C for Draft Revision 12 of Recommendation ITU-R M.1457	ITU-R WP 5D	FYI.
ZIP #2	Attachment 5.14 to Document 5D/726	ITU-R WP 5D	FYI.
ZIP #3	Form C	ITU-R WP 5D	FYI.
022	V&V Comments re: X.P0057-B v1.4	China Telecom	Remanded to WG3.
023	V&V Comments re: X.P0057-B v1.4	China Telecom & ZTE	Remanded to WG3.
024	Support for IPv6 prefix retrieve by the HSGW during the eHRPD pre-registration procedure	China Telecom & ZTE	Remanded to WG3.
025	Incoming Correspondence dated June 12, 2014 re: TR-45.8 Workplan Updates	Chair, TIA TR-45.8	Remanded to Editor, TSG-SX Workplan.
025A	3GPP2 TSG-SX Workplan, updated March 21, 2014	Chair, TIA TR-45.8	Remanded to Editor, TSG-SX Workplan.
026	Proposed Updates to Work Item 3GPP2-00319A: Cdma2000 Single Radio Voice Call Continuity for IMS Calls (SRVCC)	Sponsors	Remanded to WG1, to liaise to PMT.
027	V&V Comments on S.P0150-0 v0.8 SON	3GPP2	Remanded to WG1.
028	V&V Comments on S.P0153-0 v0.6	3GPP2	Remanded to WG1.
029	V&V Comments on X.P0057-B v1.4	3GPP2	Remanded to WG3.
030	V&V Comments on X.P0068-0 v0.91	3GPP2	Remanded to WG3.
031	Web Conference Summary for June 16, 2014	TSG-SX WG1	FYI.
032	V&V Comments on S.P0150-0 v0.8 SON	Qualcomm	Remanded to WG1.
033	V&V Comments on S.P0153-0 v0.6	Qualcomm	Remanded to WG1.
034	Incoming Correspondence dated July 11, 2014 re: Comments from ballot for TIA-PN-4993 / X.P0068-0 v1.0	Chair, TIA TR-45.8	Remanded to WG3.
034A	V&V Comments on X.P0068-0 v1.0	Alcatel Lucent	Remanded to WG3.
034B	V&V Comments on X.P0068-0 v1.0	Qualcomm	Remanded to WG3.
035	Incoming Correspondence dated July 11, 2014 re: Comments from ballot for TIA-PN-4967 / S.P0150-0 v1.0	Chair, TIA TR-45.8	Remanded to WG1.
035A	V&V Comments on S.P0150-0 v1.0	Alcatel Lucent	Remanded to WG1.
036	Incoming Correspondence dated July 11, 2014 re: Comments from ballot for TSB-PN-5013 / S.P0153-0 v1.0	Chair, TIA TR-45.8	Remanded to WG1.
036A	V&V Comments on S.P0153-0 v1.0	Alcatel Lucent	Remanded to WG1.
037	Incoming Correspondence dated July 11, 2014 re: Comments from ballot for TIA-PN-1163-B-1 / X.P0057-B v2.0	Chair, TIA TR-45.8	Remanded to WG3.
037A	V&V Comments on X.P0057-0 v2.0	Alcatel Lucent	Remanded to WG3.
037B	V&V Comments on X.P0057-0 v2.0	Qualcomm	Remanded to WG3.
038	Proposed New Work Item: enhanced cdma2000 Dural Radio Voice Call Continuity for IMS Calls (eDRVCC)	Sponsors	Remanded to WG1 & WG2.
039	eDRVCC requirement and method	China Telecom	Remanded to WG2.
100r1	Agenda for next meeting for TSG-SX	Chair, TSG-SX	Approved for posting to website.
101	Meeting Report for WG1	Chair, WG1	FYI.
101A	Workplan	Chair, WG1	Remanded to the Workplan Editor.
101B	S.P0150-0 v0.8 Comments Disposition	Chair, WG1	Approved for transmittal to TIA TR-45.8, with 101D.
101C	S.P0150-0 v1.0 Proposed Publication clean - Word	Chair, WG1	Approved.

#	Subject	Source	Status
101C-A	S.P0150-0 v1.0 Proposed Publication clean – PDF	Chair, WG1	Approved for 15-day SC publication processing, pending editorial review by Secretariat and Chair
101D	Proposed Outgoing Correspondence to TIA TR_45.8 re: Publication of S.P0150-0 v1.0	Chair, WG1	Approved for transmittal to TIA TR-45.8
101E	S.P0153-0 v0.6 Comments Disposition	Chair, WG1	Approved for transmittal to TIA TR-45.8, with 101G
101F	S.P0153-0 v1.0 Proposed Publication clean – Word	Chair, WG1	Approved.
101F-A	S.P0153-0 v1.0 Proposed Publication clean – PDF	Chair, WG1	Approved for 15-day SC publication processing, pending editorial review by Secretariat and Chair
101G	Proposed Outgoing Correspondence to TIA TR_45.8 re: Publication of S.P0153-0 v1.0	Chair, WG1	Approved for transmittal to TIA TR-45.8
102	WG2 Meeting Report	Chair, WG2	FYI.
102A	X.P0042-C R&F version	Editor, X.P0042-C	Approved for R&F.
102B	Work Plan Updates	Chair, WG2	Remanded to the Workplan Editor.
103	WG3 Meeting Report	Chair, WG3	FYI.
103Ar1	PDS Meeting Report	Chair, WG3	FYI
103Br1	PDS Work Plan	Chair, WG3	FYI.
103Cr0	X.S0057-B v2.0 Publication clean – Word	Editor, X.S0057-B v2.0	Approved.
103Dr0	X.S0057-B v2.0 Publication clean – PDF	Editor, X.S0057-B v2.0	Approved for 15-day SC publication processing, pending editorial review by Secretariat and Chair
103Er0	X.S0057-B v2.0 V&V Comments master file final	Editor, X.S0057-B v2.0	Approved for transmittal to TIA TR-45.8.
103Fr1	LS to TIA TR-45.8 re: X.S0057-B v2.0		Approved for transmittal to TIA TR-45.8
103Gr0	X.S0068-0 v2.0 Publication clean – Word		Approved.
103Hr0	X.S0068-0 v2.0 Publication clean – PDF		Approved for 15-day SC publication processing, pending editorial review by Secretariat and Chair
103Ir0	X.P0068-0 v0.91 V&V Comments master file final		Approved for transmittal to TIA TR-45.8.
103Jr1	LS to TIA TR-45.8 X.S0068-0 v1.0 M2M Enhancements Publication clean – Word		Approved for transmittal to TIA TR-45.8
103Kr0	LS to TIA TR-45.8 X.P0057-C v1.0 eHRPD-EUTRAN IWK – Work Cancellation		Approved for transmittal to TIA TR-45.8

#### 4. Agenda Review & Approval

- **SX00-20140715-001:** Approved. During the meeting, the agenda was updated to R3.

#### 5. Meeting Summaries Review and Approval

- **SX00-2014071520140715-002:** 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: **20140715-[009, 010/A, 011, 012, 013/A, 014, 015, 016, 017, 018/A/B/V, 019, 020, 021, 025/A]**: as noted in Section 3.

The following outgoing correspondence and documents were approved for transmission:

List of Outgoing Correspondence <sup>1</sup>	Plenary Contribution Number	Description	Status
SX-201407-01	101D	Proposed Outgoing Correspondence to TIA TR_45.8 re: Publication of S.P0150-0 v1.0	Approved
SX-201407-02	101G	Proposed Outgoing Correspondence to TIA TR_45.8 re: Publication of S.P0153-0 v1.0	Approved
SX-201407-03	103Fr1	Correspondence to TIA TR-45.8 re: X.S0057-B v2.0	Approved
SX-201407-04	103Jr1	Correspondence to TIA TR-45.8 X.S0068-0 v1.0 M2M Enhancements Publication clean – Word	Approved
SX-201407-05	103Kr0	Correspondence to TIA TR-45.8 X.P0057-C v1.0 eHRPD-EUTRAN IWK – Work Cancellation	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:

- **SX00-20140715-005**: FYI for WG1.
- **SX00-20140715-031**: Web Conference Summary for June 16, 2014.
- **SX00-20140715-101**: WG1 report, as noted in Section 3.

### 7B. WG2:

- **SX00-20140715-006**: FYI for WG2.
- **SX00-20140715-102**: WG2 report, as noted in Section 3.

### 7C. WG3:

- **SX00-20140715-007**: FYI for WG3.
- **SX00-20140715-103**: WG3 report, as noted in Section 3.

### 7D. WG4:

- **SX00-20140715-008**: not present.
- **SX00-20140715-104**: not present.

## 8. Unfinished Business:

### 8.A R&F: X.P(S)0042-C v0.1 (Single Radio Voice Call Continuity btn IMS and CS Systems)

- N/A.

### 8.B R&F: X.P(S)0057-C v0.1 (E-UTRAN – eHRPD Connect & Interworking: Core Network)

- N/A.

### 8.C.V&V: X.P(S)0057-B v1.2 (E-UTRAN – eHRPD Connectivity and Interworking: Core Network):

- See **SX00-20140715-022**, in Section 3.
- See **SX00-20140715-023**, in Section 3.
- See **SX00-20140715-024**, in Section 3.
- See **SX00-20140715-029**, in Section 3.
- See **SX00-20140715-037/A/B**, in Section 3.

### 8.D. V&V: X.P(S)0068-0 v0.2: (Network Enhancements to Machine to Machine)

- See **SX00-20140715-030**, in Section 3.
- See **SX00-20140715-034/A/B**, in Section 3.

### 8.E. V&V: S.P(R)0150-0 v0.2: (SON)

- See **SX00-20140715-027**, in Section 3.
- See **SX00-20140715-032**, in Section 3.
- See **SX00-20140715-035/A**, in Section 3.

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

- See **SX00-20140715-028**, in Section 3.

- See **SX00-20140715-033**, in Section 3.
- See **SX00-20140715-036/A**, in Section 3.

**8.G. Other Topics:**

- N/A.

**9. New Business:** as per Working Group Business

**9.A R&F: X.P(S)0143-A v0.1** (“Extended Range HRPD”):

- N/A.

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

- See **SX00-20140715-103D**, in Section 3.

**9.C. Publication: X.P(S)0068-0 v0.91:** (Network Enhancements to Machine to Machine)

- See **SX00-20140715-103H**, in Section 3.

**9.D. Publication: S.P(R)0150-0 v0.8:** (SON)

- See **SX00-20140715-101C-A**, in Section 3.

**9.E. Publication: S.P(R)0153.0 v0.6:** (Inter-Tech Spectrum Optimization)

- See **SX00-20140715-101F-A**, in Section 3.

**9.F Other**

- See **SX00-20140715-026**, in Section 3.
- See **SX00-20140715-038**, in Section 3.
- See **SX00-20140715-039**, in Section 3.

**10. Assignments:**

**10.A. TSG-SX Workplan: SX00-20140715-003r1:**

- To be updated by TSG-SX Secretariat.

**11. Next Meetings Schedule:**

- **SX00-20140715-100r1:**
  - The meeting agenda for San Diego, CA was presented for review. During the review, the contribution was updated to R1.
  - Approved for posting to the 3GPP2 website.

**12. Open Discussion:**

**12.A. Update on December 2014 meeting schedule:**

- WG1, WG2 and WG3 will meet face-to-face in December, 2014, as per our December Agenda; WG4 TBD.

**12.B Interim Plenary Meeting:**

- **Plenary scheduled for Thursday September 25, 2014 8:00PM US Eastern time.**

**12.C 2015 Plenary Meetings:**

- It was agreed that in 2015, quarterly plenary meetings would be conducted as conference calls.

### 13. Adjournment

The TSG-SX Closing Plenary was adjourned at 8:55AM local time on Friday, July 18, 2014. At the closing of TSG-SX meeting #5, there were 7 quorum members present from the quorum list of 10 companies for 70% quorum, listed as follows:

	Company Name <sup>1</sup>	Attended 2013/09/09	Attended 2013/12/02	Attended 2014/03/18	Attended 20140715
1.	<b>Alcatel-Lucent</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>
2.	<b>China Telecom</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>
3.	<b>Ericsson</b>		<b>1</b>	<b>1</b>	
4.	<b>Huawei Technologies</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>
5.	<b>Kyocera<sup>1</sup></b>	<b>1</b>			
6.	<b>Office of Emergency Communications</b>	<b>1</b>			<b>1</b>
7.	<b>Qualcomm</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>
8.	<b>RITT</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>
9.	<b>Sprint/Nextel<sup>1</sup></b>	<b>1</b>			
10.	<b>ZTE Corporation</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>
	<b>Quorum Total</b>	<b><u>11</u></b>	<b><u>7</u></b>	<b><u>6</u></b>	<b><u>7</u></b>
11.	<i>VIA Telcom, Inc.</i>				<i>1</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 2<sup>nd</sup> consecutive meeting. Individual members that miss three consecutive meetings of the TSG are dropped from the TSG voting list at the close of the 3<sup>rd</sup> meeting.