

**TSG-X Plenary Meeting Report**  
**January 24-28, 2011**  
**Seattle, Washington**

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Meeting Location: Fairmont Olympic  
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**OPENING PLENARY**

**1. Call to Order & Opening Remarks**

The TSG-X Opening Plenary in Seattle, WA began at 9:00am local time on Monday, January 24, 2011.

**2. Attendance Registration and Roll Call**

The TSG-X chair conducted a roll call of the member companies. At the Opening Plenary quorum was established with 16 of the 19 Quorum members present. The companies that were present during one or more of the Plenary sessions are:

<b>Company</b>	<b>Present (October 2010)</b>	<b>Present (December 2010)</b>	<b>Present (January 2011)</b>
Airvana			
<b>Alcatel-Lucent</b>	Present	Present	Present
<b>Bridgewater Systems Corporation</b>	Present	Present	Present
<b>China Telecom</b>	Present	Present	Present
<b>Cisco Systems</b>	Present	Present	Present
<b>Ericsson</b>	Present	Present	Present
<b>Hitachi</b>	Present	Present	Present
<b>Huawei Technologies</b>	Present	Present	Present
<b>KDDI Corporation</b>	Present	Present	
<b>Motorola Mobility</b>			
<b>Motorola Solutions Inc.</b>	Present	Present	Present
<b>National Communication Systems</b>	Present	Present	Present
<b>NEC Corporation</b>	Present	Present	Present
<b>Nokia-Siemens</b>	Present	Present	Present
<b>Qualcomm, Inc.</b>	Present	Present	Present
<b>Sprint</b>	Present	Present	
<b>Tatara Systems</b>	Present	Present	Present
<b>Telcordia</b>			Present
<b>US Cellular</b>	Present		
<b>Verizon Wireless</b>	Present	Present	Present
<b>ZTE Corporation</b>	Present	Present	Present

Note: 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.

### 3. Introduction and Numbering of Contributions

The following documents were numbered and assigned to the agenda:

Document # <b>(20110124-xxx)</b>	Title	Source	Agenda Item	Plenary Action/Decision
001R4	TSG-X Meeting Agenda and Schedule Chair	Chair	4	Approved
002	Previous Meeting Report – December 2010	Chair	5	Approved: Secretary to Post on Website
003	TSG-X Workplan	PMT Chair	9c	Approved; Remanded to ERA, MMD, PDS
004	Previous Month Outgoing Correspondence	Secretary	6	For Information
005	2011 Meeting Schedule	Chair	9a	For Information
006	Action Item List	TSG-X Vice Chair	9b	For Information. Working Group Chairs requested to keep it updated.
007	ERA Report	ERA Chair	8a	For Information
008	MMD Report	MMD Chair	8b	For Information
009	PDS Report	PDS Chair	8c	For Information
010	3GPP2 PMT and Workplan Questions/Issues – January 2011	PMT Chair	9c	Remanded to MMD and PDS
011	TSG-C Liaison Report for December	TSG-C	7	For Information
012	TSG-S Liaison Report-1012 - December	TSG-S	7	For Information
013	TSG-S liaison to TR45.8 re: S.R0140-0 v1.0, GREEN Study V&V Comment Disposition and Publication	TSG-S	6	For Information
013A	Courtesy Copy of S.R0140-0 v1.0.	TSG-S	6	For Information
013B	S.P0140-0 GREEN Study VnV Comment Disposition Record.	TSG-S	6	For Information
014	TSG-S liaison to TR45,8 re: S.R0141-0 v1.0 M2M Study V&V Comment Disposition and Publication	TSG-S	6	For Information
014A	Courtesy Copy S.R0141-0 v1.0	TSG-S	6	For Information
014B	S.R0141-0 (PN-3-0391) M2M Study V&V Comment Disposition	TSG-S	6	For Information
015	TSG-S liaison to TIA re: 3GPP2 security-related specifications for incorporation into ITU-T Security Standards Roadmap	TSG-S	6	For Information
015A	Proposed 3GPP2 updates to ITU-T Security Standards	TSG-S	6	For Information
016	Courtesy Copy of Correspondence to TSG-S re: Status of TSG-C Review of 3GPP2 Work Items	TSG-C	6	For Information
017	Courtesy Copy of Correspondence to 3GPP2 PMT Coordinator re: TSG-C Review of Work Plan Questions	TSG-C	6	For Information
018	TSG-C liaison to TSG-S re: List of documents with security for ITU-T	TSG-C	6	For Information
018A	Proposed list of TSG-C Documents with Security Requirements that should be added to the ITU-T list	TSG-C	6	For Information
019	Courtesy Copy of Correspondence to 3GPP2 SC M2M Numbering AdHoc re: M2M Numbering Input	TSG-C	6	For Information

Document # (20110124-xxx)	Title	Source	Agenda Item	Plenary Action/Decision
020	Courtesy Copy of Correspondence to ITU-T WP2/12 Chairman re: Liaison Statement COM12-LS87-E, draft new Recommendation P.863	TSG-C	6	For Information
021	Courtesy Copy of Correspondence to QUALCOMM, Apple and Ericsson Research, Internet Draft Editors (RFC 4281) IETF Network Working Group re: Updated Buckets RFC	TSG-C	6	For Information
022	3GPP TSG SA liaison to ITU-T SG2 and TSG SA WG1 - LS on Display of duplicated numbers in the phone book	3GPP SA	6	Remanded to MMD
022A	3GPP TS 22.030 V9.0.0 (2009-12) Man-Machine Interface (MMI) of the User Equipment (UE) (Release 9)	3GPP SA	6	Remanded to MMD
022B	TS 22.101 V10.5.0 (2010-12) Service principles (Release 10)	3GPP SA	6	Remanded to MMD
022C	3GPP TS 22.101 V11.0.0 (2010-09) Service principles (Release 11)	3GPP SA	6	Remanded to MMD
023	Incoming Correspondence re: LS on Public Warning System (PWS) – SP-100872	3GPP SA	6	For Information
024	Courtesy Copy of Correspondence to TSG-C re: MEF 22.1 Mobile Backhaul Implementation Agreement Phase 2 Approved Draft 2 Feedback	TSG-A	6	For Information
025	Courtesy Copy of Correspondence to TSG-C re: Traffic Channel Short Message Service Support for 1x - EUTRAN Interworking	TSG-A	6	Remanded to MMD
026	Courtesy Copy of Correspondence to TSG-S WG4 re: ITU-T Security Standards	TSG-A	6	For Information
027	3GPP2 Workplan Reports	TSG-S	9C	Remanded to ERA
<b>INTERIM PLENARY</b>				
028R1	TSG-X Liaison to TSG-S on Work items	ERA	6	Approved for Transmission by the Secretary
<b>CLOSING PLENARY</b>				
101R4	TSG-X March Meeting Agenda	Chair	19	Approved
102	ERA Report	ERA	14b	Approved
103	MMD Report	MMD	14c	Approved
103A	X.P0059-400-0 cdma2000 Femtocell Network: 1x Supplementary Service Aspects (R&F version)	MMD	14c	Approved for R&F
103B	X.P0064-0 v1.0 cdma2000 SMS/IM Interworking workplan update	MMD	14c	Approved
103C	cdma2000 Unstructured Supplementary Service Data (USSD), workplan update	MMD	14c	New work project approved.
104A	PDS Report	PDS	14d	Approved
104B	PDS Workplan Update	PDS	14d	Approved
104CR1	Draft Outgoing Correspondence to TR-45.8 re: V&V Comments Request for X.P0022-A v2.0	PDS	14d	Approved for Transmission by the Secretary
104DR1	Draft Outgoing Correspondence to TR-45.8 re: V&V Comments Request for X.P0057-A v1.0	PDS	14d	Approved for Transmission by the Secretary
104ER1	PDS Response for 3GPP2 PMT and Workplan Questions/Issues – January 2011	PDS	14d	Approved
105	TIA 2011 Annual Industry Meeting Announcement	TIA	15	For Information
106	Broadband Forum Correspondence to TSG-X	BBF	15	Remanded to FMOAHG
107	TSG-X Correspondence Templates 2011-01	TSG-X	18	For Information
108	TSG-S Correspondence to TSGs re S.P0139 Femtocell System Overview TSG Review	TSG-S	15	Remanded to MMD and PDS
108A	S.P0139-0v0.12 Femto Systems Overview	TSG-S	15	Remanded to MMD and PDS
109	TSG-S Correspondence re: Notification of 3GPP2 TSG-S Development of a 3GPP2 Technical Document: S.R0146-0 M2M Communication System Requirements Document	TSG-S	15	For Information

Document # (20110124-xxx)	Title	Source	Agenda Item	Plenary Action/Decision
110	TSG-S Correspondence re: Notification of 3GPP2 TSG-S Development of a 3GPP2 Technical Document: S.R0147-0 System Requirements for Unstructured Supplementary Services Data	TSG-S	15	For Information
111	TSG-S Correspondence re: Notification of 3GPP2 TSG-S Development of a 3GPP2 Technical Document: S.R0148-0 Dynamic RAN Power Management Stage 1	TSG-S	15	For Information
112	TSG-S Correspondence to CT1 re: Device Identifiers for Common IMS	TSG-S	15	For Information
113	TSG-S Correspondence to TSGs re: Results of Sunset Review of SC.P2006-002-0 System Release Guide for Release 6 on 25 January 2011	TSG-S	15	For Information
113A	SC.P2006-002-0 v0.29 Release 6 SRG	TSG-S	15	For Information
114	TSG-S Correspondence to TSGs re: BugFix WIs	TSG-S	15	Remanded to ERA
115	TSG-S Correspondence to TSGs re: Release of WIs for TSG Review	TSG-S	15	Remanded to ERA
115A	3GPP2-00283 HRPD Rev C Point Release	TSG-S	15	Remanded to ERA
115B	3GPP2-00284 Adding 3GPP Re9 Features to cdma2000 1x-E-UTRAN Interworking	TSG-S	15	Remanded to ERA
115C	3GPP2-00285 Dynamic RAN Power Management	TSG-S	15	Remanded to ERA
116	TSG-S Correspondence to TSGs re-Interim PMT Conference Call – 9 February 2011	TSG-S	15	For Information
117	TSG-S Correspondence to TSG-A re: 1xIOS Femtocells	TSG-S	15	For Information
118	TSG-S Correspondence to MRPs re: Formal Review of Femtocell System Overview	TSG-S	15	For Information
118A	S.P0139-0v0.12 Femto Systems Overview	TSG-S	15	For Information
119	TSG-S Liaison Report for 24-27 January 2011	TSG-S	15	For Information
119A	PMT WI Tracking List	TSG-S	15	For Information

### 3. Agenda Review and Approval

- **X00-20110124-001R3:** *TSG-X January 2011 Meeting Agenda and Schedule* was approved.

### 4. Review Previous Meeting Summary

- Document **X00-20110124-002:** *TSG-X December Meeting Summary* was presented by the Chair and approved. The Secretary will post a clean version on the 3GPP2 Website Meeting Summaries section.

### 5. Correspondence

The following correspondences were received and discussed at the Opening Plenary:

- **X00-20110124-[004, 013, 014, 015, 016, 017, 018, 019, 020, 021, 023, 024, 026]:** was presented For Information
- **X00-20110124-[027]:** *Remanded to ERA WG.*
- **X00-20110124-[022, 025]:** *Remanded to MMD WG.*

Please refer to Section 3 for Actions/Decisions.

### 6. Liaison Reports

#### Steering Committee

- None

#### TSG-A

- None

#### TSG-C

- **X00-20110124-011:** The *TSG-C Liaison Report* provides a summary of the TSG-C meeting held at *Honolulu, HI* during December, 2010. The report was presented For Information.

**TSG-S**

- **X00-20110124-012:** The *TSG-S Liaison Report* provides a summary of the TSG-S meeting held at *Honolulu, HI* during December, 2010. The report was presented For Information.

**Other SDOs:**

- None

**FMOAHG:**

- None.

**IETF**

- None.

**UIM\_ID Administrator:**

- None.

**MEID Administrator:**

- None.

**ESN Administrator:**

- None.

**Others:**

- None.

**7. Working Group Status**

**8a. ERA:**

- **X00-20110124-007:** The *ERA Agenda* was presented For Information.

**8b. MMD:**

- **X00-20110124-008:** The *MMD Agenda* was presented For Information.

**8c. PDS:**

- **X00-20110124-009:** The *PDS Agenda* was presented For Information.
- **X.P0022-A v2.0, Broadcast Multicast Service in cdma2000 Wireless IP Network:** R&F comments were requested during the TSG-X WG5 January 2011 meeting. The recommendation to initiate R&F was approved.

**8. Old Business**

**9a. Meeting Schedule:**

- **X00-20110124-005:** *2011 TSG-X Meeting Schedule* was presented For Information.

**9b. TSG-X Action Item List:**

- **X00-20110124-006:** *TSG-X Action Item List* was presented For Information during the Opening Plenary. WG Chairs were asked to review and provide updates, as appropriate.

**9c. TSG-X Workplan:**

- **X00-20110124-003:** *TSG-X Workplan* was approved and remanded to ERA, MMD and PDS WGs for further review and updates.
- **X00-20110124-010:** *Workplan Questions* from TSG-S PMT were remanded to MMD and PDS WGs for review.
- **X00-20110124-027:** *3GPP2 Workplan Reports* was remanded to ERA WG for review.

**9. New Business**

- None

**10. Recess**

- The TSG-X Opening Plenary was recessed at 09:48 am local time on Monday January 24, 2011. An Interim Plenary was scheduled for 01:30 pm local time on Monday, January 24, 2011.

**INTERIM PLENARY**

An Interim TSG-X Plenary was convened at 01:30 pm local time on Monday, January 24, 2011 (after the ERA WG Closing) to approve a TSG-X correspondence to TSG-S on 3GPP2 work items.

- **X00-20110124-028R1:** *TSG-X Liaison to TSG-S on Work items* the R1 version was approved for transmission by the Secretary.

The Interim Plenary was recessed at 01:40 pm local time on Monday January 24, 2011. The Interim Plenary was recessed until the Closing Plenary on Friday, January 28, 2011.

## **CLOSING PLENARY**

### **12. Reconvene**

- The Closing Plenary was convened at 08:00 am local time on Friday, January 28, 2011.
- No additional companies were added to the quorum list at the Closing Plenary.
- **X00-20110124-001R4:** *TSG-X January 2011 Meeting Agenda and Schedule* was approved as modified.

### **13. Liaison Reports**

- None

### **14. Working Group Status**

The following contributions were discussed in each Working Group Status Report:

#### **14a. PMT/Workplan Review**

- See the MMD Working Group (14c) and PDS Working Group (14d) sections.

#### **14b. ERA Working Group:**

- **X00-20110124-102:** *ERA Report* was approved.

#### **14c. MMD Working Group:**

- **X00-20110124-103:** *MMD Report* was approved.
  - a. MMD report recommends the following:**
    - X.S0059-400-0, cdma2000 Femtocell Network: 1x Supplementary Service Aspects:** R&F comments requested by March Opening Plenary (28 March). The R&F version of the document is provided in X00-20110124-103-A. The recommendation to initiate R&F was approved.
    - Interim MMD Conference Calls:**
      - February 28, 2011, 1-3 pm pacific time.** Objective to continue development of X.P0059-500. Dial in details for the call is Call +1 858-845-5000, After the greeting press 1 to attend meeting, Enter Meeting ID 33332, Enter Meeting Password 33332 followed by the # sign.
      - March 9, 2011, 1-3 pm pacific time.** Objective to continue development of X.P0059-200-A. Dial in details for the call is Call +1 858-845-5000, After the greeting press 1 to attend meeting, Enter Meeting ID 33332, Enter Meeting Password 33332 followed by the # sign.
- **X00-20110124-103-A:** *X.P0059-400-0 cdma2000 Femtocell Network: 1x Supplementary Service Aspects* is the R&F version of the document.
- **X00-20110124-103-B:** *X.P0064-0 v1.0 – cdma2000 SMS/IM Interworking*, workplan update. The update was approved.
- **X00-20110124-103-C:** *cdma2000 Unstructured Supplementary Service Data (USSD)*, workplan update. Recommendation to start a new project. The recommendation to initiate the new USSD project was approved.

#### **14d. PDS Working Group:**

- **X00-20110124-104A:** *PDS Report* was approved.
  - a. PDS report recommends the following:**
    - X.P0022-A v2.0, BCMCS: V&V** comments requested by March Opening Plenary (28 March). The V&V version of the document is provided at:  
<ftp://ftp.3gpp2.org/TSGX/Projects/X.P0022%20BCMCS/X.P0022-A%20v2.0%20VnV/>.  
The recommendation to initiate V&V was approved.
    - X.P0057-A v1.0, E-UTRAN-eHRPD Interworking:** V&V comments requested by 4 March 2011. The V&V version of the document is provided at:  
<ftp://ftp.3gpp2.org/TSGX/Projects/X.P0057%20E-UTRAN-HRPD%20Interworking%20-%20Core%20Network%20Aspects/X.P0057-A%20v1.0/VnV/>.  
The recommendation to initiate V&V was approved.

**b. Interim PDS Conference Calls:**

- i. The following conference calls are to continue development of X.P0057-A v1.0. March 2 and March 16 starting at 8:00 pm EST for 2 hours. March 9 and March 23 starting at 09:00 am EST. The call on the March 23 is provisional and will require a unanimous agreement of those present on the March 16 call to have the March 23rd call.
- **X00-20110124-104B:** *PDS workplan update.* The workplan update was for:
  - i. X.S0022-A v2.0 - Broadcast Multicast Service in cdma2000 Wireless IP Network,
  - ii. X.P0057-A v1.0 (PN-3-0353-RV1, TIA-1163-A), E-UTRAN - eHRPD Connectivity and Interworking: Core Network Aspects,
  - iii. X.P0057-B v1.0 (), E-UTRAN - eHRPD Connectivity and Interworking: Core Network Aspects,
  - iv. X.P0058-0 v3.0 WiMAX - HRPD Interworking: Core Network Aspects, (PN-3-0354, TIA-1164), and
  - v. X.P00xx-0 v1.0 (PN, TIA), Accounting at HA/LMA for cdma2000.The updates were approved.
- **X00-20110124-104CR1:** Draft Outgoing *Correspondence to TR-45.8 re: V&V Comments Request for X.P0022-A v2.0*, was approved for transmittal.
- **X00-20110124-104DR1:** Draft Outgoing *Correspondence to TR-45.8 re: V&V Comments Request for X.P0057-A v1.0*, was approved for transmittal.
- **X00-20110124-104ER1:** PDS response for *3GPP2 PMT and Workplan Questions/Issues – January 2011* contains PDS responses to workplan questions 11 and 12. The responses were approved.

**15. Correspondence (continued)**

- **X00-20110124-105:** TIA 2011 Annual Industry Meeting Announcement was presented For Information.
- **X00-20110124-106:** *Broadband Forum Correspondence to TSG-X* addressing the resolution of issues concerning 3GPP2 Portions of TR-262 and TR-196i2. The correspondence and attachments were remanded to FMOAHG.
- **X00-20110124-108 and -108A:** *TSG-S Correspondence to TSGs* on TSG review of S.P0139 Femtocell System Overview. Remanded to MMD WG and PDS WG.
- **X00-20110124-109:** *TSG-S Correspondence to TSGs* of Notification of 3GPP2 TSG-S Development of M2M Requirements. The document number and title is *S.R0146-0 Machine-to-Machine (M2M) Communication System Requirements*. The projected V&V date is July 28, 2011. Presented For Information.
- **X00-20110124-110:** *TSG-S Correspondence to TSGs* of Notification of 3GPP2 TSG-S Development of USSD Requirements. The document number and title is *S.R0147-0 System Requirements for Unstructured Supplementary Services Data*. The projected V&V date is July 28, 2011. Presented For Information.
- **X00-20110124-111:** *TSG-S Correspondence to TSGs* of Notification of 3GPP2 TSG-S Development of Dynamic Power Requirements. The document number and title is *S.R0148-0 Dynamic RAN Power Management Stage 1 Requirements*. Projected V&V date is September 29, 2011. Presented For Information.
- **X00-20110124-112:** *TSG-S Correspondence to CTI* on Device Identifiers Common IMS provides a reference correction used in X00-20101206-103a. Presented For Information.
- **X00-20110124-113 and -113A:** *TSG-S Correspondence to TSGs* summarizing the results of the SC.P2006-002-0 SRG sunset review. Review was held on 25 January 2011. TSG-S PMT will continue the pre-publication review of SC.P2006-002-0 at noon on Tuesday 29 March 2011 in the TSG-S Plenary room. Presented For Information
- **X00-20110124-114:** *TSG-S Correspondence to TSG-X*, with copy to other TSGs, summarizing TSG-S recommendations for 3GPP2 Work Items that include bug fixes in the general description section. The TSG-S recommendations for the future include:
  - i. The WI description for “bug fix” work items should include a list of major bug fix activities understood at the time of WI initiation with special consideration for those bug fixes that may have cross-TSG impacts.
  - ii. The WI description should include a general description of issues created by the bugs known at the time the WI worksheet is submitted.
  - iii. All TSGs will be encouraged to advise the PMT and any affected TSGs of any bug fix that has cross-TSG impacts at the time the bug is identified so that coordinated actions can be facilitated.

Remanded to ERA WG.

- **X00-20110124-115:** *TSG-S Correspondence to TSGs* on new Work Items for review. The three new work items for review are: **-115A** 3GPP2-00283 HRPD Rev C Point Release, **-115B** 3GPP2-00284 Adding 3GPP Re9 Features to cdma2000 1x-E-UTRAN Interworking, and **-115C** 3GPP2-00285 Dynamic RAN Power Management. Comments are due by the March TSG-S closing Plenary. Member companies were asked to bring any comments into the March ERA meeting. The ERA chair was requested to distribute the new work items and solicit any comments for the March ERA meeting on all the TSG-X reflectors. Remanded to ERA WG.
- **X00-20110124-116:** *TSG-S Correspondence to TSGs* on interim PMT Conference Call scheduled for Wednesday 9 February 2011 at 8:00 PM US east coast time. New work items to be considered are due on or before Monday 7 February 2011. If no work items are submitted or comments received, the call will be cancelled. Presented For Information.
- **X00-20110124-117:** *TSG-S Correspondence to TSG-A*, with copy to other TSGs, on *1xIOS Femtocells* was presented For Information.
- **X00-20110124-118 and -118A:** *TSG-S Correspondence to MRPs* on TSG review of *S.P0139 Femtocell System Overview* was presented For Information
- **X00-20110124-119:** *TSG-S Liaison Report* for 24-27 January 2011 and **-119A** PMT Work Item Tracking List was presented For Information.

#### 16. Old Business

- None.

#### 17. Assignments

- None.

#### 18. Open Discussion

- **X00-20110124-107:** *TSG-X Correspondence Templates 2011-01* was presented For Information.
- The Chair and the TSG-X participants thanked Alex Gogic for organizing the Team Building event on Wednesday (January 26, 2011) evening.

#### 19. Schedule of meetings

- **X00-20110124-101R4:** *TSG-X March 2011 Meeting Agenda and Schedule* was approved.

Please note the following details regarding the March 2011 TSG-X meeting:

Dates: March 28 – April 01, 2011  
Location: Grand Hyatt Seoul  
747-7 Hannam 2 Dong, Yongsan-Gu  
Seoul, Korea  
Phone: +82 2 797 1234  
Fax: +82 2 798 6953

Room Rate: Single / Double : KRW210,000++ single/ double.  
Cutoff Date: March 14, 2011 (North America).

#### 20. Adjourn

- The TSG-X Closing Plenary adjourned at 08:55 am local time on Friday, January 28, 2011.