

TSG-X Plenary Meeting Report
April 16 – April 20, 2012
Chicago, USA

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Meeting Location: Hyatt Regency Chicago
151 East Wacker Drive,
Chicago, Illinois, USA 60601

OPENING PLENARY

1. Call to Order & Opening Remarks

The TSG-X Opening Plenary in Chicago, USA started at 09:04 am local time on Monday, April 16, 2012.

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 08 of the 14 Quorum members present. The companies that were present during one or more of the plenary sessions are:

| Company | Present (Dec 2011) | Present (Feb 2012) | Present (April 2012) |
|--|-----------------------|-----------------------|-------------------------|
| Alcatel-Lucent | Present | Present | Present |
| Bridgewater Systems Corporation | Present | | |
| China Telecom | Present | Present | Present |
| Cisco Systems | Present | | |
| Ericsson | Present | Present | Present |
| Hitachi | Present | Present | Present |
| Huawei Technologies | Present | Present | Present |
| KDDI Corporation | Present | | |
| NEC Corporation | Present | Present | Present |
| NCS | Present | | Present |
| Nokia Siemens Networks | Present | Present | Present |
| Qualcomm, Inc. | Present | Present | Present |
| RITT | | Present | Present |
| Sprint | Present | | Present |
| Telcordia | Present | | |
| US Cellular | | | |
| ZTE Corporation | 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 # (20120416-xxx) | Title | Source | Agenda Item | Plenary Action/Decision |
|--|--|-----------------------|-------------|--|
| OPENING PLENARY (16 April 2012) | | | | |
| 001 | TSG-X April 2012 Meeting Agenda and Schedule | Chair | 4 | Approved |
| 002 | TSG-X February 2012 Meeting Summary (Nanjing) | Chair | 5 | Approved. TSG-X Secretary to Post on 3GPP2 Website |
| 003 | TSG-X Work Plan | 3GPP2 PMT Coordinator | 9c | Approved; Remanded to ERA, MMD, PDS |
| 003b | TSG-X Work Plan | 3GPP2 PMT Coordinator | 9c | Approved; Remanded to ERA, MMD, PDS |
| 004 | TSG-X Outgoing Correspondences from Nanjing | TSG-X Secretary | 4 | For Information |
| 005 | 2012 Meeting Schedule | TSG-X Secretary | 9a | For Information |
| 006 | TSG-X Action Item List | Vice Chair | 9b | Remanded to MMD WG and PDS WG. |
| 007 | ERA Agenda | Chair, ERA | 8a | For Information |
| 008 | MMD Agenda | Chair, MMD | 8b | For Information |
| 009 | PDS Agenda | Chair, WG5 | 8c | For Information |
| 010 | TSG-X Workplan Files from 3GPP2 SC Workplan | 3GPP2 PMT Manager | 9c | Remanded to MMD and PDS. |
| 011 | Incoming Correspondence to TSGs dated Feb 6 2012 re: Status and TSG Review Plan for S.P0146-0 M2M SRD | TSG-S | 6 | For Information |
| 012 | Incoming Correspondence to TSGs dated Feb 9 2012 re: Critical WIs for 3GPP2 System Release 7 | TSG-S | 6 | Also X00-20120206-112. Remanded to PDS and MMD |
| 013 | Incoming TSG-S Email Correspondence to TSGs dated 22 Feb 2012 re: SC.P1005-C v0.2 3GPP2 Drafting Rules | TSG-S | 6 | For Information |
| 013A | SC.P1005-C v0.1 3GPP2 Drafting Rules | TSG-S | 6 | For Information |
| 014R1 | Incoming TSG-S Correspondence to TSGs dated March 12 2012 re: Release of WI(s) for TSG Review | TSG-S | 6 | Remanded to ERA Email was sent out 14 March 2012 to TSG-X Reflector asking for company comments at April ERA meeting. |
| 014A | Work Item 3GPP2-00304: CCAT MEID and Emergency Tag Value correction | TSG-S | 6 | Remanded to ERA |
| 014B | Work Item 3GPP2-00305: EIR Rev E Alignment | TSG-S | 6 | Remanded to ERA |
| 014C | Work Item Tracking Sheet dated March 12 2012 | TSG-S | 6 | Remanded to ERA |
| 015 | TSG-S Document Status Table from Nanjing Meeting | TSG-S | 7 | For Information |
| 016 | TSG-S Liaison Report for Nanjing Meeting (R1) | TSG-S | 7 | For Information |
| 017 | Courtesy Copy of TSG-C Correspondence to TSG-S dated Feb 10 2012 re: TSG-C review of S.P0148 v0.5 Dynamic RAN Power Management Stage 1 | TSG-C | 6 | For Information |
| 018 | Courtesy Copy of TSG-C Correspondence to 3GPP2 Senior Manager dated Feb 10 2012 re: Work Plan Questions | TSG-C | 6 | For Information |
| 019 | TSG-C Liaison Report for Nanjing Meeting | TSG-C | 7 | For Information |

| Document # (20120416-xxx) | Title | Source | Agenda Item | Plenary Action/Decision |
|---------------------------|--|--------------------|-------------|---|
| 020 | Courtesy Copy of TSG-A Correspondence to 3GPP TSG RAN dated February 6, 2012 re: Support of EUTRAN-eHRPD SON | TSG-A | 6 | For Information |
| 021 | Courtesy Copy of TSG-A Correspondence to TSG-C dated February 6, 2012 re: EUTRAN-eHRPD Interworking Matrix | TSG-A | 6 | For Information |
| 021A | EUTRAN-eHRPD Interworking Matrix | TSG-A | 6 | For Information |
| 022 | Incoming Email Correspondence to TSGs dated Feb 15, 2012 re: FOR Immediate Use – Updated (and Approved) Document Title Page | 3GPP2 Secretariat | 6 | Remanded to MMD and PDS |
| 022A | 3GPP2 Title Page Template-120209 | 3GPP2 Secretariat | 6 | Remanded to MMD and PDS |
| 023 | Incoming ITU Correspondence revised Feb 15 2012 re: Liaison Statement to External Organization on the "Detailed specifications of the terrestrial radio interfaces of International Mobile Telecommunications - Advanced (IMT-Advanced)" to Revision 1 | ITU WP 5D | 6 | Remanded to MMD and PDS. Placed on TSG-X Action List. |
| 023A | External Organizations Distribution List 2-12-2012 | ITU WP 5D | 6 | For Information |
| 024 | Incoming ITU Correspondence revised Feb 15 2012 re: Liaison Statement to External Organizations on the schedule for Updating Recommendation ITU-R M.1457-10 to Revision 11 | ITU WP 5D | 6 | Remanded to MMD and PDS. Placed on TSG-X Action List. |
| 024A | External Organizations Distribution List 2-12-2012 | ITU WP 5D | 6 | For Information |
| 025 | 3GPP2 Secretariat transmitting email to TSGs dated Feb 15 2012 re: 3GPP liaison statement to 3GPP2 TSG-A | 3GPP | 6 | For Information |
| 025A | Liaison Statement re: Support of EUTRAN-eHRPD SON, plus attachments | 3GPP | 6 | For Information |
| 026 | Incoming ITU Correspondence dated 29 March 2012 re: Assignment of 3 digit MNCs. COM 2 – LS 129 – E, REF.: TD 303 Rev. 2 (PLEN/2)-E | ITU Study Group 2 | 6 | Remanded to MMD and PDS. Placed on TSG-X Action List. |
| 027 | Incoming ITU Correspondence dated 29 march 2012 re: Availability of civic alerting function of 3GPP/3GPP2 terminal at roaming. COM 2 – LS 134 – E. | ITU Study Group 2 | 6 | Remanded to MMD. Placed on TSG-X Action List. |
| 028 | Courtesy Copy of TIA TR45.8 Correspondence to Editor, TSG-X/TR-45.8 Workplan dated February 20, 2012 re: TR-45.8 Workplan Updates | Chair, TIA TR-45.8 | 6 | For Information |
| 028A | TR-45.8 Workplan Updates | Chair, TIA TR-45.8 | 6 | For Information |
| 029 | Incoming Correspondence dated March 30, 2012 re: TIA Legal comments on TIA-4952/X.S0066-0 v1.0 | Chair, TIA TR-45.8 | 6 | Remanded to PDS |
| 029AR1 | TIA-4952 Legal Letter Approved | Chair, TIA TR-45.8 | 6 | Remanded to PDS |
| 030 | Courtesy Copy of TSG-A Correspondence dated March 7, 2012 re: Initiation of V&V for TSG-A Specifications | Chair, TSG-A | 6 | For Information |
| 031 | Broadband Forum 2013 Meeting Dates | Broadband Forum | 6 | For Information |
| 032 | ALU V&V comments on X.P0065 | Alcatel-Lucent | 6 | Remanded to MMD |
| 033 | New Work Item for X.S0057-A v2.0 | Alcatel-Lucent | 10 | Remanded to ERA |

| Document # (20120416-xxx) | Title | Source | Agenda Item | Plenary Action/Decision |
|--|---|--------------------|-------------|---|
| 034 | TR45 Correspondence to MTS India, re: Support of EIR and availability of handset identifier in the call flow | TR45 Chair | 6 | For Information |
| 035 | Outgoing TSG-X correspondence to TIA TR45.8 re: Existing Project Request for X.P0061-A v1.0 | Chair | 10 | Approved for transmission by the TSG-X Secretary on April 16. |
| 036 | Outgoing TSG-X correspondence to TIA TR45.8 re: Existing Project Request for X.P0008-A v1.0 | Chair | 10 | Approved for transmission by the TSG-X Secretary on April 16. |
| 037 | Incoming TSG-S Correspondence to TSGs dated February 6 2012 Re: TSG Review of S.P0149-0 v0.5 Remote Subscription Management (RSM) SRD | TSG-S | 6 | For Information |
| 037A | S.P0149-0 v0.5 | TSG-S | 6 | For Information |
| 038 | Incoming Correspondence dated April 13, 2012 re: Comments from ballot for TIA-PN-4951/X.P0065-0 v1.0 | Chair, TIA TR-45.8 | 6 | Remanded to MMD |
| 038A | TIA-PN-4951 Ballot Comment (ALU) | Chair, TIA TR-45.8 | 6 | Remanded to MMD |
| 038B | TIA-PN-4951 Ballot Comment (NSN) | Chair, TIA TR-45.8 | 6 | Remanded to MMD |
| 038C | TIA-PN-4951 Ballot Comment (Q) | Chair, TIA TR-45.8 | 6 | Remanded to MMD |
| 039R2 | Draft TSG-X report to SC | Chair | 10 | Approved |
| 040 | TSG-X Input to Vision Adhoc | ZTE | 10 | Remanded to ERA. |
| INTERIM PLENARY (16 April 2012) | | | | |
| 041 | TSG-X Liaison to TSG-S on new TSG-X Work item | ERA Chair | 12 | Approved for transmission by the TSG-X Secretary on April 16. |
| 041A | WI Proposal for X.S0057-A v2.0 | ERA Chair | 12 | Approved for transmission by the TSG-X Secretary on April 16. |
| 042 | Outgoing TSG-X correspondence to TIA TR45.8 re: Existing Project Request for X.P0057-A v2.0 | Chair | 12 | Approved for transmission by the TSG-X Secretary on April 16. |
| CLOSING PLENARY (20 April 2012) | | | | |
| 101 | TSG-X June 2012 Meeting Agenda and Schedule | Chair | 19 | Approved for posting to the 3GPP2 web site. |
| 102 | ERA Meeting Report | Chair, ERA | 14a | Approved |
| 102A | TSG-X Outgoing Correspondence to TSG-S Re: Review comment | Chair, ERA | 14a | Approved for transmission by the TSG-X Secretary on April 20. |
| 103 | MMD Report | MMD Chair | 14b | Approved. |
| 103a1R2 | TSG-X Liaison to ITU-T on 3GPP2 Proposed Changes to Supplement 62 to ITU-T Q series Recommendations | MMD Chair | 14b | Approved for transmission by the TSG-X Secretary on April 20. |
| 103a2 | 3GPP2 Proposed Changes to Supplement 62 to ITU-T Q series Recommendations | MMD Chair | 14b | Approved for transmission by the TSG-X Secretary on April 20. |
| 103bR2 | TSG-X correspondence to TR45.8 Re X.S0065 USSD | MMD Chair | 14b | Approved for transmission by the TSG-X Secretary on April 20 |
| 103c | MMD Workplan Updates | MMD Chair | 14b | Approved for transmission by the TSG-X Secretary on April 20 to 3GPP2 workplan manager. |

| Document # (20120416-xxx) | Title | Source | Agenda Item | Plenary Action/Decision |
|---------------------------|---|-----------|-------------|--|
| 104A | TSG-X PDS Report | PDS Chair | 14c | Approved |
| 104BR1 | TSG-X PDS Workplan | PDS Chair | 14c | Approved for transmission by the TSG-X Secretary on April 20 to 3GPP2 workplan manager. |
| 104C | IETF SC Report | Amdocs | 14c | Approved as attachment B for the TSG-X report to the SC |
| 104D | IETF Dependencies | Amdocs | 14c | Approved as attachment C for the TSG-X report to the SC |
| 104ER2 | Action Items OP-55 OP-56 Response | PDS Chair | 14c | Approved. Information included in X00-20120416-103a2. |
| 104FR1 | LS to TR45.8 Re: TIA legal comments on TIA-4952/X.S0066-0 v1.0 | PDS Chair | 14c | Approved for transmission by the TSG-X Secretary on April 20. |
| 105 | TSG-S correspondence to TSG-C Re: E-UTRAN to HRPD Interworking Matrix (S120416-01) | TSG-S | 15 | Presented for Information |
| 105A | eHRPD matrix TSG-S input (S120416-01A) | TSG-S | 15 | Presented for Information |
| 106 | TSG-A Correspondence to TR45.4 re: Approval of TSG-A Specifications for Publication (A1-20120419) | TSG-A | 15 | Presented for Information |
| 107 | TSG-S correspondence to TSGs Re: TSG Review of S.P0126-A v0.4 Femtocell Systems SRD (S120419-01) | TSG-S | 15 | Presented for Information |
| 107A | S.P0126-A v0.3 Femto Cell SRD Phase II TSG Review (S120419-01A) | TSG-S | 15 | Presented for Information |
| 108 | TSG-S correspondence to TR45.8 Re S.R0148-0 v0.6 Dynamic RAN Pwr Mgmt VnV (S120419-02) | TSG-S | 15 | Presented for Information |
| 108A | S P0148-0 v0.6 DRPM (ES-mode) Stage 1 VnV Clean (S120419-02A) | TSG-S | 15 | Presented for Information |
| 109 | TSG-S correspondence to TSG re: TSG Review of S.P0146-0 v0.60 M2M Communication SRD (S2-0419-03) | TSG-S | 15 | Presented for Information |
| 109A | S.P0146-0 v0.60 M2M System Requirements (S120419-03A) | TSG-S | 15 | Presented for Information |
| 110 | TSG-S correspondence to TSG Re EUTRAN – eHRPD Interworking Matrix Development (S120419-05) | TSG-S | 15 | Presented for Information |
| 111 | TSG-S correspondence to TSGs re: TSG WI Review (S120419-06) | TSG-S | 15 | Remanded to ERA. Message to be sent to TSG-X reflector noting that company comments due at June ERA meeting. |
| 111A | 3GPP2-00306 Load Balancing between eHRPD and EUTRAN (S120419-06A) | TSG-S | 15 | Remanded to ERA |
| 111B | 3GPP2-00307 eHRPD IW Fixes and R9 Enhancements (S120419-06B) | TSG-S | 15 | Remanded to ERA |
| 111C | 3GPP2-00308 Packet M2M (S120419-06C) | TSG-S | 15 | Remanded to ERA |
| 111D | PMT WI Tracking List (S120419-06D) | TSG-S | 15 | Remanded to ERA |
| 112 | TSG-S correspondence to TIA TR45.8 re Legal comments on S.R0139 (S120419-07) | TSG-S | 15 | Presented for Information |
| 113 | TSG-S correspondence to TSG Development Notification S.P0151 (S120419-04) | TSG-S | 15 | Presented for Information |
| 114 | TSG-S Chicago Liaison Report- 201204 | TSG-S | 15 | Presented for Information |
| 115 | TSG-X correspondence to 3GPP2 secretariat on X.S0066-0 v1.0 re-publication | Chair | 15 | Approved for transmission by the TSG-X Secretary on April 20. |

4. Agenda Review and Approval

- **X00-20120416-001R1:** *TSG-X April 2012 Meeting Agenda and Schedule* was approved.

5. Review Previous Meeting Summary

- Document **X00-20120416-002:** *TSG-X February Meeting Summary (Nanjing)* was presented by the Chair and approved. The Secretary will post a clean version on the 3GPP2 Website Meeting Summaries section.

6. Correspondence

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

- **X00-20120416-004:** The *TSG-X Outgoing Correspondences from Nanjing*, was presented For Information.
- **X00-20120416-011:** *Incoming Correspondence to TSGs dated Feb 6 2012 re: Status and TSG Review Plan for S.P0146-0 M2M SRD*, was presented For Information.
- **X00-20120416-012:** *Incoming Correspondence to TSGs dated Feb 9 2012 re: Critical WIs for 3GPP2 System Release 7*, was also presented as X00-20120206-112. Remanded to MMD and PDS.
- **X00-20120416-013:** *Incoming TSG-S Email Correspondence to TSGs dated 22 Feb 2012 re: SC.P1005-C v0.2 3GPP2 Drafting Rules* was presented For Information.
- **X00-20120416-013A:** *SC.P1005-C v0.1 3GPP2 Drafting Rules* was presented For Information.
- **X00-20120416-014R1:** *Incoming TSG-S Correspondence to TSGs dated March 12 2012 re: Release of WI(s) for TSG Review*, announces the released for TSG Review of 3GPP2-00304 (CCAT MEID and Emergency Tag Value correction) and 3GPP2-00305 (EIR Rev E Alignment). A email was sent out 14 March 2012 to TSG-X reflector asking for company comments at April ERA meeting. Remanded to ERA. Comments requested by 12 June 2012 in Guangzhou, China.
- **X00-20120416-014A:** *Work Item 3GPP2-00304: CCAT MEID and Emergency Tag Value correction*, was remanded to ERA.
- **X00-20120416-014B:** *Work Item 3GPP2-00305: EIR Rev E Alignment*, remand to ERA.
- **X00-20120416-014C:** *Work Item Tracking Sheet dated March 12 2012*, remanded to ERA.
- **X00-20120416-017:** *Courtesy Copy of TSG-C Correspondence to TSG-S dated Feb 10 2012 re: TSG-C review of S.P0148 v0.5 Dynamic RAN Power Management Stage 1*, was presented For Information.
- **X00-20120416-018:** *Courtesy Copy of TSG-C Correspondence to 3GPP2 Senior Manager dated Feb 10 2012 re: Work Plan Questions*, presented For Information.
- **X00-20120416-020:** *Courtesy Copy of TSG-A Correspondence to 3GPP TSG RAN dated February 6, 2012 re: Support of EUTRAN-eHRPD SON*, was presented For Information.
- **X00-20120416-021:** *Courtesy Copy of TSG-A Correspondence to TSG-C dated February 6, 2012 re: EUTRAN-eHRPD Interworking Matrix*, was presented For Information.
- **X00-20120416-021A:** *EUTRAN-eHRPD Interworking Matrix* was presented For Information.
- **X00-20120416-022:** *Incoming Email Correspondence to TSGs dated Feb 15, 2012 re: For Immediate Use – Updated (and Approved) Document Title Page*, was remanded to MMD and PDS.
- **X00-20120416-022A:** *3GPP2 Title Page Template-120209*, was remanded to MMD and PDS.
- **X00-20120416-023:** *Incoming ITU Correspondence revised Feb 15 2012 re: Liaison Statement to External Organization on the "Detailed specifications of the terrestrial radio interfaces of International Mobile Telecommunications - Advanced (IMT-Advanced)" to Revision 1*, was added to the TSG-X action list. Remanded to MMD and PDS.
- **X00-20120416-023A:** *External Organizations Distribution List 2-12-2012*, was presented For Information.
- **X00-20120416-024:** *Incoming ITU Correspondence revised Feb 15 2012 re: Liaison Statement to External Organizations on the schedule for Updating Recommendation ITU-R M.1457-10 to Revision 11*, was added to the TSG-X action list. Remanded to MMD and PDS.
- **X00-20120416-024A:** *External Organizations Distribution List 2-12-2012*, was presented For Information.
- **X00-20120416-025:** *3GPP2 Secretariat transmitting email to TSGs dated Feb 15 2012 re: 3GPP liaison statement to 3GPP2 TSG-A*, was presented For Information.
- **X00-20120416-025A:** *Liaison Statement re: Support of EUTRAN-eHRPD SON, plus attachments*, is a zip file of 4 documents. The reply liaison states that as a result of the discussion during TSG RAN#55, a new study item on “LTE-HRPD inter RAT SON” has now been approved. According to the proposed study item time plan, the study should be completed by December 2012. The approved study item (RP-120380) is attached. Presented For Information.
- **X00-20120416-026:** *Incoming ITU Correspondence dated 29 March 2012 re: Assignment of 3 digit MNCs. COM 2 – LS 129 – E, REF.: TD 303 Rev. 2 (PLEN/2)-E*, states that ITU-T SG2 is studying the effect of

assigning only 3-digit mobile network codes (MNC) in the future. ITU-T SG2 is asking for feedback on the impact, including but not limited to:

- Whether the use of 3-digit MNC has an impact on existing specifications of 2G/3G/4G mobile networks under your purview
- Whether there is a particular issue in having nationally 2 and 3 digit MNCs coexisting under the same MCC (core network, billing and customer care systems, roaming, operational aspects etc.)
- Whether roaming of an 3-digit based subscriber on a 2 digit network is problematic and in what way

The reply deadline date is 31 January 2013. The request was added to the TSG-X action list. Remanded to MMD and PDS.

- **X00-20120416-027:** *Incoming ITU Correspondence dated 29 March 2012 re: Availability of civic alerting function of 3GPP/3GPP2 terminal at roaming. COM 2 – LS 134 – E.,* was added to the TSG-X action list. Remanded to MMD. The reply deadline date is 31 January 2013.
- **X00-20120416-028:** *Courtesy Copy of TIA TR45.8 Correspondence to Editor, TSG-X/TR-45.8 Workplan dated February 20, 2012 re: TR-45.8 Workplan Updates,* was presented For Information.
- **X00-20120416-028A:** *TR-45.8 Workplan Updates,* was presented For Information.
- **X00-20120416-029:** *Incoming Correspondence dated March 30, 2012 re: TIA Legal comments on TIA-4952/X.S0066-0 v1.0,* was remanded to PDS.
- **X00-20120416-029AR1:** *TIA-4952 Legal Letter Approved,* was remanded to PDS.
- **X00-20120416-030:** *Courtesy Copy of TSG-A Correspondence dated March 7, 2012 re: Initiation of V&V for TSG-A Specifications,* was presented For Information.
- **X00-20120416-031:** *Broadband Forum 2013 Meeting Dates,* was presented For Information.
- **X00-20120416-034:** *TR45 Correspondence to MTS India, re: Support of EIR and availability of handset identifier in the call flow,* was presented For Information.
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7. Liaison Reports

Steering Committee

- None

TSG-A

- None

TSG-C

- **X00-20120416-019:** *TSG-C Liaison Report for Nanjing Meeting,* was presented For Information.

TSG-S

- **X00-20120416-015:** *TSG-S Document Status Table from Nanjing Meeting,* was presented For Information.
- **X00-20120416-016:** *TSG-S Liaison Report for Nanjing Meeting (RI),* was presented For Information.

Other SDOs:

- None

IETF

- None.

UIM_ID Administrator:

- None.

MEID Administrator:

- None.

ESN Administrator:

- None.

Others:

- None.

8. Working Group Status

8a. ERA:

- **X00-20120416-007:** The *ERA Agenda* was presented For Information.

8b. MMD:

- **X00-20120416-008:** The *MMD Agenda* was presented For Information.

8c. PDS:

- **X00-20120416-009:** The *PDS Agenda* was presented For Information.

9. Old Business

9a. Meeting Schedule:

- **X00-20120416-005:** *2012 3GPP2 Meeting Schedule* was presented For Information.

9b. TSG-X Action Item List:

- **X00-20120416-006R1:** *TSG-X Action Item List* was remanded to the MMD and PDS.

9c. TSG-X Workplan:

- **X00-20120416-003:** *TSG-X Workplan* was approved and remanded to the ERA, MMD and PDS for further review and updates.
- **X00-20120416-010:** *TSG-X PMT Workplan Document* was remanded to the MMD and PDS for further review and updates

10. New Business

- **X00-20120416-032:** *ALU V&V comments on X.P0065*, was remanded to the MMD.
- **X00-20120416-033:** *New Work Item for X.S0057 v2.0*, was remanded to ERA.
- **X00-20120416-035:** *Outgoing TSG-X correspondence to TIA TR45.8 re: Existing Project Request for X.P0061-A v1.0*, was approved for transmission by the TSG-X Secretary on April 16.
- **X00-20120416-036:** *Outgoing TSG-X correspondence to TIA TR45.8 re: Existing Project Request for X.P0008-A v1.0*, was approved for transmission by the TSG-X Secretary on April 16.
- **X00-20120416-037:** *Incoming TSG-S Correspondence to TSGs dated February 6 2012 Re: TSG Review of S.P0149-0 v0.5 Remote Subscription Management (RSM) SRD*, noted that S.P0149-0 has been approved for TSG review. Comments period is open till June 05, 2012. Presented For Information.
- **X00-20120416-037A:** *S.P0149-0 v0.5*, was presented For Information.
- **X00-20120416-038:** *Incoming Correspondence dated April 13, 2012 re: Comments from ballot for TIA-PN-4951/X.P0065-0 v1.0*, remanded to MMD.
- **X00-20120416-038A:** *TIA-PN-4951 Ballot Comment (ALU)*, remanded to MMD.
- **X00-20120416-038B:** *TIA-PN-4951 Ballot Comment (NSN)*, remanded to MMD.
- **X00-20120416-038C:** *TIA-PN-4951 Ballot Comment (Q)*, remanded to MMD.
- **X00-20120416-039:** *Draft TSG-X report to SC*, was presented. Any comments, additions or modifications requested by the TSG-X closing plenary.
- **X00-20120416-040:** *TSG-X Input to Vision Adhoc*, was remanded to ERA.

11. Recess

- The TSG-X Opening Plenary was recessed at 10:49 am local time on Monday April 16, 2012.

INTERIM PLENARY

An Interim TSG-X Plenary was convened at 02:06 pm local time on Monday, April 16, 2012 (after the TSG-X ERA WG closing) to approve outgoing TSG-X correspondences.

- Sprint was added to the quorum list at the interim plenary.
- **X00-20120416-041:** *TSG-X Liaison to TSG-S on new TSG-X Work item*, was approved for transmission by the TSG-X Secretary.
- **X00-20120416-041A:** *WI Proposal for X.S0057-A v2.0*, was approved for transmission by the TSG-X Secretary.
- **X00-20120416-042:** *Outgoing TSG-X correspondence to TIA TR45.8 re: Existing Project Request for X.P0057-A v2.0*, was approved for transmission by the TSG-X Secretary.

The Interim Plenary was recessed at 02:12 pm local time on Monday April 16, 2012. The Interim Plenary was recessed until the Closing Plenary on Friday, April 20, 2012.

CLOSING PLENARY

12. Reconvene

- The closing plenary was reconvened at 09:36 AM local time on Friday, April 20, 2012.
- Hitachi was added to the quorum list at the closing plenary,
- **X00-20120416-001R3:** *TSG-X April 2012 Meeting Agenda and Schedule* was approved as modified.

13. Liaison Reports

- None

14. Working Group Status

The following items were discussed in each of the Working Group Status Reports:

14a. ERA Working Group:

- **X00-20120416-102:** *ERA Report* was approved.
- a. **ERA actions for the plenary:**
 - **X00-20120416-102A:** *Outgoing Correspondence to TSG-S Re: Review comment.* TSG-X reviewed and had no comments for work items 3GPP2-00304 and 3GPP2-305. Approved for transmission by the TSG-X Secretary.

14b. MMD Working Group:

- **X00-20120416-103:** *MMD Report* was approved.
- a. **MMD recommendations:**
 - i. **X.P0065-0 v1.0, Unstructured Supplementary Services Data (USSD) Support.**
Recommended for SC approval. The pre-publication version of the document and the V&V/TIA ballot comment resolution file is provided at:

<ftp://ftp.3gpp2.org/TSGX/Projects/X.P0065%20USSD/Pre-Publication/>

The recommendation for SC approval was approved unanimously. The TSG-X secretary will notify the 3GPP2 SC Secretariat that X.P0065-0 v1.0 (Unstructured Supplementary Services Data (USSD) Support) has been approved by TSG-X for SC approval.

b. MMD actions for the plenary:

- **X00-20120416-103a1R2:** *Outgoing correspondence to ITU-T on 3GPP2 Proposed Changes to Supplement 62 to ITU-T Q series Recommendations.* The correspondence proposes modifications to the draft Supplement 62 to ITU-T Q series Recommendations related to 3GPP2. The correspondence was approved for transmittal by the TSG-X secretary.
- **X00-20120416-103a2:** *3GPP2 Proposed Changes to Supplement 62 to ITU-T Q series Recommendations.* The attachment for X00-20120416-103a1R2 that contains the proposed modifications for the draft Supplement 62. The correspondence was approved for transmittal by the TSG-X secretary.
- **X00-20120416-103bR2:** *Outgoing correspondence to TR45.8, Re: V&V Completion of X.S0065-0 v1.0.* The correspondence informs TR45.8 that X.P0065-0 v1.0 has completed the V&V process, provides the location of the pre-publication documents and the V&V/TIA ballot comment resolution file and recommends X.S0065-0 v1.0 for publication. The correspondence was approved for transmittal by the TSG-X secretary.
- **X00-20120416-103c:** *MMD Workplan Updates.* Contains workplan updates for X.P0008-A v1.0 – MAP Support for Mobile Equipment Identity (MEID) and X.P00042-B v1.0: Voice Call Continuity between IMS and Circuit Switched Systems. The updates were approved for transmission by the TSG-X Secretary on April 20 to 3GPP2 workplan manager.

14c. PDS Working Group:

- **X00-20120416-104A:** *PDS Report* was approved.
- a. **PDS recommendations:**

- i. **X.P0061-A v0.1 Multiple HA LMA for Network PMIP** Recommended for R&F approval. The R&F version of the document and the R&F comment template is provided at:

<ftp://ftp.3gpp2.org/TSGX/Projects/X.P0061%20Network%20PMIP%20Support/X.P0061-A%20v1.0/R%26F/>

The recommendation to initiate R&F was approved unanimously. Comments are requested by 11 June.

- ii. **X.P0066-0 v1.0, Accounting at HA/LMA for cdma2000**. Recommended for re-publication approval. The re-publication version of the document is provided at:

<ftp://ftp.3gpp2.org/TSG-X/Projects/X.P0066%20Accounting%20at%20HA%20LMA%20for%20cdma2000%20Networks/X.P0066-0%20Replication%20Documents/>

The recommendation for re-publication was approved unanimously. The TSG-X secretary will notify the 3GPP2 SC Secretariat that X.P0066-0 v1.0 (Accounting at HA/LMA for cdma2000) has been approved by TSG-X for re-publication.

b. PDS actions for the plenary:

- **X00-20120416-104BR1:** *TSG-X PDS Workplan*, contains workplan updates for X.P0057-A v2.0, X.P0057-B v1.0, X.P0061-A v1.0 and X.P0062-A v1.0. The updates were approved. The updates were approved for transmission by the TSG-X Secretary on April 20 to 3GPP2 workplan manager.
- **X00-20120416-104C:** *IETF SC Report*, was approved to be included as attachment B for the TSG-X report to the SC.
- **X00-20120416-104D:** *IETF Dependencies*, was approved to be included as attachment C for the TSG-X report to the SC.
- **X00-20120416-104ER2:** *Action Items OP-55 OP-56 Response*, contains the TSG-X PDS response to proposes modifications to the draft Supplement 62 to ITU-T Q series Recommendations related to 3GPP2 PDS. The material was incorporated into X00-20120416-103a2.
- **X00-20120416-104FR1:** *Correspondence to TR45.8 Re: TIA legal comments on TIA-4952/X.S0066-0 v1.0*. The correspondence informs TIA TR45.8 that the TIA legal comments on TIA-4952/X.S0066-0 v1.0 has been resolved. TSG-X recommends X.S0066-0 v1.0 for publication. The correspondence was approved for transmittal by the TSG-X secretary.

c. Interim PDS Conference Calls:

- i. **M2M Study** – three conference calls were approved.
- May 16, 2012 8-10 pm US Eastern Daylight Time
 - May 23, 2012 8-10 pm US Eastern Daylight Time
 - May 30, 2012 8-10 pm US Eastern Daylight Time
- ii. **PDS Study** – one conference call was approved.
- April 26, 2012 8-10 pm US Eastern Daylight Time, finish X.S0057-A v2.0 and X.S0057-B v1.0 R&F
 - May 9, 2012 8-10 pm US Eastern Daylight Time, if needed, to complete R&F

15. Correspondence (continued)

- **X00-20120416-105:** *TSG-S correspondence to TSG-C Re: E-UTRAN to HRPD Interworking Matrix (S120416-01)*, presented For Information.
- **X00-20120416-105A:** *eHRPD matrix TSG-S input (S120416-01A)*, presented For Information.
- **X00-20120416-106:** *TSG-A Correspondence to TR45.4 re: Approval of TSG-A Specifications for Publication (A1-20120419)*. TSG-A has approved A.S0010-0 v1.0, cdma2000 RAN Management (TIA-4964), A.S0022-A v2.0, LTE-eHRPD Interworking (TIA-1142-A-1), A.S0022-B v1.0, LTE-eHRPD Interworking (TIA-1142-B) and A.S0024-A v2.0, Femtocell IOS (TIA-1167-A-1) for SC approval. Presented for Information.

- **X00-20120416-107:** TSG-S correspondence to TSGs Re: TSG Review of S.P0126-A v0.4 Femtocell Systems SRD (S120419-01), notes that S.P0126-A v0.4 has been approved for TSG review by TSG-S. Comments requested by 6 August 2012. Presented For Information.
- **X00-20120416-107A:** S.P0126-A v0.3 Femto Cell SRD Phase II TSG Review (S120419-01A), is the V&V version of S.P0126-A. Presented For Information.
- **X00-20120416-108:** TSG-S correspondence to TR45.8 Re S.R0148-0 v0.6 Dynamic RAN Pwr Mgmt VnV (S120419-02), announcing that S.R0148-0 has been approved for V&V. V&V comments are due June 8, 2012. Presented For Information.
- **X00-20120416-108A:** S.P0148-0 v0.6 DRPM (ES-mode) Stage I-VnV-Clean (S120419-02A), is the V&V version of S.P0148-0. Presented For Information.
- **X00-20120416-109:** TSG-S correspondence to TSG re: TSG Review of S.P0146-0 v0.60 M2M Communication SRD (S2-0419-03), announcing that S.R0146-0 v1.0 has been approved for TSG review. Comments requested by 11 June 2012. Presented For Information.
- **X00-20120416-109A:** S.P0146-0 v0.60 M2M System Requirements (S120419-03A), is the TSG approved version of S.R0146-0. Presented For Information.
- **X00-20120416-110:** TSG-S correspondence to TSG Re EUTRAN – eHRPD Interworking Matrix Development (S120419-05), announcing that TSG-S will take the editorial responsibility to develop the EUTRAN – eHRPD Interworking Matrix document, which has been assigned document number S.P0151-0. Presented For Information.
- **X00-20120416-111:** TSG-S correspondence to TSGs re: TSG WI Review (S120419-06). Following WIs were approved for review: 3GPP2-00306 Load balancing between eHRPD and E-UTRAN, 3GPP2-00307 eHRPD Connectivity and Interworking Technical Corrections and 3GPP Release 9 Enhancements in X.S0057-A v2.0, and 3GPP2-00308 System Enhancements for Packet M2M. Comments requested by Friday 6 July 2012. Remanded to ERA. Message to be sent to TSG-X reflector noting that company comments due at June ERA meeting.
- **X00-20120416-111A:** 3GPP2-00306 Load balancing between eHRPD, remanded to ERA.
- **X00-20120416-111B:** 3GPP2-00307 eHRPD Connectivity and Interworking Technical Corrections, remanded to ERA.
- **X00-20120416-111C:** 3GPP2-00308 System Enhancements for Packet M2M, remanded to ERA.
- **X00-20120416-111D:** PMT WI Tracking List (S120419-06D), remanded to ERA.
- **X00-20120416-112:** TSG-S correspondence to TIA TR45.8 re Legal comments on S.R0139 (S120419-07). TSG-S notes the requirements terminology used in S.R0139 is optional language that TSG-S would prefer to keep in the document. However, since it is optional, TIA TR45.8 does have the flexibility to remove this editorial text in the TIA transposed TSB. Presented For Information.
- **X00-20120416-113:** TSG-S correspondence to TSG Development Notification S.P0151 (S120419-04), announces that TSG-S has initiated the development of S.R0151-0 EUTRAN – eHRPD Interworking Matrix Technical Report. Estimated publication date is December 2012. Presented For Information.
- **X00-20120416-114:** TSG-S Chicago Liaison Report- 201204, presented For Information.
- **X00-20120416-115:** TSG-X correspondence to 3GPP2 secretariat on X.S0066-0 v1.0 re-publication, was approved for transmission by the TSG-X Secretary on April 20.

16. Old Business

- **X00-20120416-039R2:** Draft TSG-X report to SC, was approved.

17. Assignments/TSG-X Action Item List

- **X00-20120416-006R2:** TSG-X Action Item List was updated.

18. Open Discussion

- None

19. Schedule of meetings

- **X00-20120416-101:** TSG-X June 2012 Meeting Agenda and Schedule was approved.

Please note the following details regarding the June 2012 TSG-X meeting:

Dates: June 11-15, 2012
Location: Grand Hyatt Guangzhou
12 Zhujiang West Road, Pearl River New City, Tianhe District

Guangzhou, People's Republic of China 510623

Room Rate: Grand King Room: 1150 RMB (10% Service and 5% Tax)
Grand King Room: 1250 RMB (10% Service and 5% Tax)

Cutoff: May 11, 2012

20. Adjourn

- The TSG-X Closing Plenary adjourned at 10:43 AM local time on Friday, April 20, 2012.

TSG-X Outgoing Correspondence from the April 2012 meeting:

| TSG-X Plenary Contribution Number | Description | Source | Status | Transmittal # |
|-----------------------------------|---|--------|-------------|---------------|
| X00-20120416-035r1 | Outgoing Correspondence to TIA TR-45.8 dated April 16, 2012 re: Existing Project Request for X.P0061-A v1.0 | TSG-X | Transmitted | X-01 |
| X00-20120416-036r1 | Outgoing Correspondence to TIA TR-45.8 dated April 16, 2012 re: Existing Project Request for X.P0008-A v1.0 | TSG-X | Transmitted | X-02 |
| X00-20120416-041 | Outgoing Correspondence to TSG-S dated April 16, 2012 re: New Work Item | TSG-X | Transmitted | X-03 |
| X00-20120416-041A | New Work Item Proposal for X.S0057-A v2.0 | TSG-X | Transmitted | X-03A |
| X00-20120416-042 | Outgoing Correspondence to TIA TR-45.8 dated April 16, 2012 re: Existing Project Request for X.P0057-A v2.0 | TSG-X | Transmitted | X-04 |
| X00-20120416-102A | Outgoing Correspondence to TSG-S dated April 20, 2012 re: Review Comments | TSG-X | Transmitted | X-05 |
| X00-20120416-103A1r2 | Outgoing Correspondence to ITU-T dated April 20, 2012 re: 3GPP2 Proposed Changes to Supplement 62 to ITU-T Q series Recommendations | TSG-X | Transmitted | X-06 |
| X00-20120416-103A2 | 3GPP2 Proposed Changes to Supplement 62 to ITU-T Q series Recommendations | TSG-X | Transmitted | X-06A |
| X00-20120416-103Br1 | Outgoing Correspondence to TIA TR-45.8 dated April 20, 2012 re: V&V Completion of X.S0065-0 v1.0 | TSG-X | Transmitted | X-07 |
| X00-20120416-104Fr1 | Outgoing Correspondence to TIA TR-45.8 dated April 20, 2012 re: TIA legal comments on TIA-4952/X.S0066-0 v1.0 | TSG-X | Transmitted | X-08 |