TSG-X Plenary Meeting Report
August 06 – August 10, 2012
Seattle, Washington, USA

Chair: Marvin Bienn, Tel: +1-972-583-2752, email: marvin.bienn@ericsson.com

Vice-Chairs: Rajesh Bhalla, Tel: +1-630-452-1420, email: rabhalla@zteusa.com
Hirofumi Okata, Tel: +81-3-3798-6059, email: h-okata@cq.jp.nec.com

Secretary: Eileen McGrath Doohan, Tel: +1.424.216.4106, email: Eileen.m.mcgrath@mac.com

Meeting Location: Renaissance Hotel Seattle
515 Madison Street
Seattle, WA, USA 98104

OPENING PLENARY

1. Call to Order & Opening Remarks
The TSG-X Opening Plenary in Seattle Washington, USA started at 09:05 am local time on Monday, August 06, 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 10 of the 12 Quorum members present. The companies that were present during one or more of the plenary sessions are:

<table>
<thead>
<tr>
<th></th>
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</thead>
<tbody>
<tr>
<td>Alcatel-Lucent</td>
<td>Present(O)</td>
<td>Present(O)</td>
<td>Present (O)</td>
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<tr>
<td>Applied Communications Science</td>
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<td>China Telecom</td>
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<td>Cisco Systems</td>
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<td>Hitachi</td>
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<td>KDDI Corporation</td>
<td>Present(O)</td>
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<tr>
<td>NEC Corporation</td>
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<td>NCS</td>
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<td>Nokia Siemens Networks</td>
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<td>Qualcomm, Inc.</td>
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<tr>
<td>Sprint</td>
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<td>TCS</td>
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<td>US Cellular</td>
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<tr>
<td>ZTE Corporation</td>
<td>Present(O)</td>
<td>Present(O)</td>
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</tbody>
</table>

Note: Companies in **bold** were quorum members as of this meeting. Present(O) means the member company established attendance at the Opening Plenary. Present(I) means the member company established attendance at an Interim Plenary. Present(C) means the member company established attendance at the Closing Plenary. 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:

<table>
<thead>
<tr>
<th>Document # (20120806-xxx)</th>
<th>Title</th>
<th>Source</th>
<th>Agenda Item</th>
<th>Plenary Action/Decision</th>
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<tr>
<td><strong>OPENING PLENARY (06 August 2012)</strong></td>
<td></td>
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<tr>
<td>001</td>
<td>TSG-X August 2012 Meeting Agenda and Schedule</td>
<td>Chair</td>
<td>4</td>
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<tr>
<td>002</td>
<td>TSG-X June 2012 Meeting Summary (Guangzhou)</td>
<td>Chair</td>
<td>5</td>
<td>Approved. TSG-X Secretary to Post on 3GPP2 Website</td>
</tr>
<tr>
<td>003</td>
<td>TSG-X Work Plan</td>
<td>3GPP2 PMT Coordinator</td>
<td>9c</td>
<td>Approved. Remanded to ERA, MMD, PDS</td>
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<td>003b</td>
<td>TSG-X Work Plan</td>
<td>3GPP2 PMT Coordinator</td>
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<tr>
<td>004</td>
<td>TSG-X Outgoing Correspondences from Guangzhou Meeting</td>
<td>TSG-X Secretary</td>
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<td>For Information</td>
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<td>005</td>
<td>2012 3GPP2 Meeting Schedule</td>
<td>TSG-X Secretary</td>
<td>9a</td>
<td>For Information</td>
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<td>006R1</td>
<td>TSG-X Action Item List</td>
<td>Vice Chair</td>
<td>9b</td>
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<td>007</td>
<td>ERA Agenda</td>
<td>Chair, WG1</td>
<td>8a</td>
<td>For Information</td>
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<td>008</td>
<td>MMD Agenda</td>
<td>Chair, WG3</td>
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<td>009</td>
<td>PDS Agenda</td>
<td>Chair, WG5</td>
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<td>For Information</td>
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<td>010</td>
<td>TSG-X PMT Workplan Documents</td>
<td>3GPP2 PMT Manager</td>
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<tr>
<td>011</td>
<td>TSG-C Correspondence dated June 15, 2012 to TSG-S Re: TSG-C Review of 3GPP2 WIs</td>
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<td>For Information</td>
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<tr>
<td>012</td>
<td>TSG-C Correspondence dated June 15, 2012 to TSG-S Re: TSG-C review of S.P0126-A v0.4 Femtocell Systems SRD</td>
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<td>013</td>
<td>TSG-C Liaison Report for 11-15 June 2012 in Guangzhou, China</td>
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<td>TSG-C Liaison Report for Interim Plenary</td>
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<td>TR-45.8 correspondence to TSG-X re ballot comments on TIA-PN-1163-A-1</td>
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<td>TIA-PN-1163-A-1 Ballot Comments (ZTE)</td>
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<td>023</td>
<td>Evolution TSG-SX</td>
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<td>SC Workshop Adhoc Correspondence to TSG's re Workshop Summary</td>
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<td>Summary of 20120614 Workshop</td>
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**INTERIM PLENARY (06 August 2012)**

| 032 | TSG-X Correspondence to TSG-S on WI Review | ERA Chair | 12 | Approved for transmission by the TSG-X Secretary on August 06. |

**CLOSING PLENARY (10 August 2012)**

| 101R1 | TSG-X August 2012 Meeting Agenda and Schedule | Chair | 19 | Approved for posting to the 3GPP2 web site. |
| 102 | ERA Report | ERA Chair | 15a | Approved. |
| 102a | TSG-X correspondence to TSG-S Re: Work Item Review Comments | ERA Chair | 15a | Approved for transmission by the TSG-X Secretary on August 10. |
| 102a1 | TSG-X Comments on 3GPP2-00314 | ERA Chair | 15a | Approved for transmission by the TSG-X Secretary on August 10. |
| 102b | TSG-X correspondence to TSG-S Re: New Work Proposal | ERA Chair | 15a | Approved for transmission by the TSG-X Secretary on August 10. |
| 102b1 | WI Proposal for Concurrent Volume and Duration based Prepaid Packet Data Service | ERA Chair | 15a | Approved for transmission by the TSG-X Secretary on August 10. |
| 103 | MMD Report | MMD Chair | 15b | Approved. |
| 103aR2 | TSG-X Liaison to ITU | MMD Chair | 15b | Approved for transmission by the TSG-X Secretary on August 10. |
| 103b | TSG-X correspondence to SC Workshop | MMD Chair | 15b | Approved for transmission by the TSG-X Secretary on August 10. |
| 104Ar0 | TSG-X PDS Report | PDS Chair | 15c | Approved |
### Agenda Review and Approval

- **X00-20120806-001R1**: TSG-X August 2012 Meeting Agenda and Schedule was approved.

### Review Previous Meeting Summary

- Document **X00-20120806-002**: TSG-X June Meeting Summary (Guangzhou) was presented by the Chair and approved. The Secretary will post a clean version on the 3GPP2 Website Meeting Summaries section.

### Correspondence

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

- **X00-20120806-004**: The TSG-X Outgoing Correspondences from Guangzhou was presented For Information.
- **X00-20120806-011**: TSG-C Correspondence dated June 15, 2012 to TSG-S Re: TSG-C Review of 3GPP2 WPs, was presented For Information.
- **X00-20120806-012**: TSG-C Correspondence dated June 15, 2012 to TSG-S Re: TSG-C review of S.P0126-A v0.4 Femtocell Systems SRD, was presented For Information.
- **X00-20120806-016**: Liaison Statement dated 24 July 2012 re: Invitation to Input Material for Development of Working Document Toward a Preliminary Draft New Report on the Use of IMT for Broadband PPDR Applications, was remanded to MMD and PDS.
- **X00-20120806-017**: Liaison Statement dated 24 July 2012 re: Review of Report ITU-R M.2039, was remanded to MMD and PDS.
- **X00-20120806-018**: TR-45.8 correspondence to TSG-X re ballot comments on TIA-PN-1163-A-1 was presented remanded to PDS.
- **X00-20120806-018A**: TIA-PN-1163-A-1 Ballot Comments (ZTE) was remanded to PDS.

### Table: 3GPP2 PMM WI Tracking List

<table>
<thead>
<tr>
<th>Document #20120806-xxx</th>
<th>Title</th>
<th>Source</th>
<th>Agenda Item</th>
<th>Plenary Action/Decision</th>
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<tr>
<td>104BR2</td>
<td>PDS Workplan 2012-08</td>
<td>PDS Chair</td>
<td>15c</td>
<td>Approved for transmission by the TSG-X Secretary on August 10 to 3GPP2 workplan manager.</td>
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<td>104Cr0</td>
<td>LS to TR45.8 Re: V&amp;V Completion of X.S0061-A v1.0</td>
<td>PDS Chair</td>
<td>15c</td>
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<td>TSG-S Correspondence to TIA TR45.8 re republication of S.P0148-0 v1.0</td>
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<td>TSG-S correspondence to TIA TR45.8 re S.P0146-0 M2M SRD Publication</td>
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<td>106A</td>
<td>S.R0146-0 v1.0 M2M System Requirements</td>
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<td>S.R0146-0 v1.0 M2M System Requirements-marked</td>
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<td>S.R0146-0 v1.0 M2M System SRD Comment Disposition Record</td>
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<td>107</td>
<td>TSG-S correspondence to TIA TR45.8 re S.P0149-0 Remote Provisioning Publication</td>
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<td>TSG-S correspondence to TSGs re TSG W1 Review</td>
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<td>TSG-A correspondence to workshop chair re workshop impact</td>
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<td>TSG-A correspondence to TR45.4 re specification publication</td>
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7. Liaison Reports

Steering Committee
- None.

TSG-A
- None

TSG-C
- X00-20120806-013: TSG-C Liaison Report for 11-15 June 2012 in Guangzhou, China was presented For Information.
- X00-20120806-013A: TSG-C Document Log, was presented For Information.
- X00-20120806-015: TSG-C Liaison Report for Interim Plenary, was presented For Information.

TSG-S
- X00-20120806-014: TSG-S Document Status Table 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:
- X00-20120806-007: The ERA Agenda was presented For Information.
8b. MMD:  
  • X00-20120806-008: The MMD Agenda was presented For Information.

8c. PDS:  
  • X00-20120806-009: The PDS Agenda was presented For Information.

9. Old Business  
9a. Meeting Schedule:  
  • X00-20120806-005: 2012 3GPP2 Meeting Schedule was presented For Information.

9b. TSG-X Action Item List:  
  • X00-20120806-006: TSG-X Action Item List was remanded to the MMD and PDS.

9c. TSG-X Workplan:  
  • X00-20120806-003: TSG-X Workplan was approved and remanded to the ERA, MMD and PDS for further review and updates.
  • X00-20120806-010: TSG-X PMT Workplan Document was remanded to the MMD and PDS for further review and updates.

10. New Business  
  • X00-20120806-021: Huawei X.P0057 VnV comments was remanded to PDS.
  • X00-20120806-023: Evolution TSG-SX was presented for information.
  • X00-20120806-025: Possible 3GPP2 Changes was presented for information.
  • X00-20120806-026: X.P0057-A v1.3 - ZTE V&V Comments was remanded to PDS.
  • X00-20120806-027: X.P0057-B v0.6 - ZTE V&V Comments was remanded to PDS.
  • X00-20120806-028: X.P0061-A v0.2 - ZTE V&V Comments was remanded to PDS.

11. Recess  
  • The TSG-X Opening Plenary was recessed at 11:28 am local time on Monday August 06, 2012.

INTERIM PLENARY

12. Reconvene  
An Interim TSG-X Plenary was convened at 02:10 pm local time on Monday, August 06, 2012 (after TSG-X ERA WG closed) to approve an outgoing TSG-X correspondence.

  • X00-20120806-032: TSG-X Correspondence to TSG-S on WI Review. TSG-X reviewed and had no comments for work items 3GPP2-00309, 3GPP2-00310 and 3GPP2-00311. Approved for transmission by the TSG-X Secretary.

The Interim Plenary was recessed at 02:11 pm local time on Monday August 06, 2012. The Interim Plenary was recessed until the Closing Plenary on Friday, August 10, 2012.

CLOSING PLENARY

13. Reconvene  
  • The closing plenary was reconvened at 08:10 AM local time on Friday, August 10, 2012.
  • Hitachi was added to the quorum list at the closing plenary,
  • X00-20120806-001R3: TSG-X August 2012 Meeting Agenda and Schedule was approved as modified.

14. Liaison Reports  
  • None

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

  15a. ERA Working Group:
• **X00-20120806-102**: ERA Report was approved.
  a. ERA actions for the plenary:
     • **X00-20120806-102A**: TSG-X correspondence to TSG-S Re: Work Item Review Comments. TSG-X reviewed and had no comments for work items 3GPP2-00312 and 3GPP2-00313. TSG-X reviewed and had comments for 3GPP2-00314. The comments for 3GPP2-00314 are in attachment X00-20120806-102A1. Approved for transmission by the TSG-X Secretary.
     • **X00-20120806-102A1**: TSG-X Comments on 3GPP2-00314. Approved for transmission by the TSG-X Secretary.
     • **X00-20120806-102B**: TSG-X correspondence to TSG-S Re: New Work Item Proposal. TSG-X has reviewed and accepted a new work-item proposal for Concurrent Volume and Duration based Prepaid Packet Data Service. TSG-X request TSG-S PMT to allocation of a 3GPP2 work-item number. Approved for transmission by the TSG-X Secretary.
     • **X00-20120806-102B1**: WI Proposal for Concurrent Volume and Duration based Prepaid Packet Data Service. Approved for transmission by the TSG-X Secretary.

15b. MMD Working Group:
• **X00-20120806-103**: MMD Report was approved.
  a. MMD actions for the plenary:
     • **X00-20120806-103aR2**: TSG-X Liaison to ITU. TSG-X response to ITU-T SG2 liaison ITU-T SG2 Correspondence COM 2-LS129, Assignment of 3 digit MNCs (see X00-20120416-026). The correspondence was approved for transmittal by the TSG-X secretary.
     • **X00-20120806-103b**: TSG-X correspondence to SC Workshop The correspondence provides TSG-X related comments on the draft SC workshop summary issues identified for TSG-X. The correspondence was approved for transmittal by the TSG-X secretary.
  b. Contributions remanded to MMD:
     • **X00-20120806-016**: ITU-R WP5D Correspondence -2012724-TD-0009. MMD has reviewed the liaison, determined it to be outside the scope of the MMD specifications, and has no comments. The MMD response was added to the TSG-X Action List (see X00-20120806-006R1).
     • **X00-20120806-017**: ITU-R WP5D Correspondence - 2012724-TD-0023. MMD has reviewed the liaison, determined it to be outside the scope of the MMD specifications, and has no comments. The MMD response was added to the TSG-X Action List (see X00-20120806-006R1).
     • **X00-20120804-027**: ITU-T SG2 Correspondence COM 2-LS134. MMD has reviewed the liaison, determined it to be outside the scope of the MMD specifications, and has no comments. The MMD response was added to the TSG-X Action List (see X00-20120806-006R1).

15c. PDS Working Group:
• **X00-20120806-104AR0**: PDS Report was approved.
  a. PDS recommendations:
     i. **X.P0061-A v1.0, Network PMIP Support**: Recommended for SC publication. The publication version of the document and the TIA/V&V comment resolution document are provided at:

     ftp://ftp.3gpp2.org/TSG-X/Projects/X.P0061%20Network%20PMIP%20Support/X.P0061-A%20v1.0/Pre-Publication/

     The recommendation for SC publication was approved unanimously. The TSG-X secretary will notify the 3GPP2 SC Secretariat that X.P0061-A v1.0 (Network PMIP Support) has been approved by TSG-X for SC publication.
  b. PDS actions for the plenary:
     • **X00-20120806-104BR2**: PDS Workplan 2012-08, contains workplan updates for the MMD and the PDS work projects. Two work projects (X.P0047-0 v2.0 – MIPv6 Enhancements and X.P0058-0 v3.0 WiMAX – HRPD Interworking: Core Network Aspects) have been classified as dormant. If no contributions are submitted to progress the work for these two projects
within the next 6 months (i.e., by the March 2013 TSG-X meeting) the work projects and any associated work items will be cancelled. It was also noted that X.P0059-500-0 v1.0 – cdma2000 Femtocell Network: 1x and SIP (non-IMS) Network Aspects was classified as dormant in December 2011 and assuming no incoming contributions to progress the work, the work project and any associated work items are scheduled to be cancelled at the December 2012 meeting. The updates were approved. The updates were approved for transmission by the TSG-X Secretory on August 10 to the 3GPP2 workplan manager.

- **X00-20120806-104Cr0 LS to TR45.8 Re: V&V Completion of X.S0061-A v1.0.** The correspondence inform TR45.8 that the V&V process for X.S0061-A v1.0 has completed. The correspondence also recommends X.P0061-A v1.0 for TIA publication. The correspondence was approved for transmission by the TSG-X secretary.

- **c. Contributions remanded to PDS:**
  - **X00-20120806-016: ITU-R WP5D Correspondence -20120724-TD-0009.** PDS has reviewed the liaison, determined it to be outside the scope of the PDS specifications, and has no comments. The PDS response was added to the TSG-X Action List (see X00-20120806-006R1).
  - **X00-20120806-017: ITU-R WP5D Correspondence - 20120724-TD-0023.** PDS has reviewed the liaison, determined it to be outside the scope of the PDS specifications, and has no comments. The PDS response was added to the TSG-X Action List (see X00-20120806-006R1).
  - **X00-20120416-026: ITU-T SG2 Correspondence COM 2-LS129.** A review of X.S0011-005 showed that both 2 and 3-digit MNCs are supported. The PDS response was added to the TSG-X Action List (see X00-20120806-006R4).
  - **X00-20120806-025: ITU-R WP5 Liaison on ITU-R M.1801 and ITU-R M.2116.** PDS has reviewed the liaison, determined it to be outside the scope of the PDS specifications, and has no comments. The PDS response was added to the TSG-X Action List (see X00-20120806-006R4).
  - **X00-20120806-026: ITU-R WP5 Liaison WRC-15 Agenda Item 1.3.** PDS has reviewed the liaison, determined it to be outside the scope of the PDS specifications, and has no comments. The PDS response was added to the TSG-X Action List (see X00-20120806-006R4).

- **d. Interim PDS Conference Calls:**
  - **i. M2M Study – 2 conference calls were approved.**
    - Monday September 17, 2012, 08:00PM -10:00PM US Eastern Standard Time
    - Thursday September 27, 2012, 08:00PM -10:00PM US Eastern Standard Time
  - **ii. X.S0057-A/B V&V Comment Resolution – 1 conference call was approved.**
    - Tuesday August 21, 2012, 08:00PM -10:00PM US Eastern Standard Time

16. **Correspondence (continued)**

- **X00-20120806-105: TSG-S Correspondence to TIA TR45.8 re republication of S.P0148-0 v1.0 was presented For Information.**
- **X00-20120806-105A: S.R0148-0 v1.0 DRPM (ES-mode) Stage 1 is the republication version of S.R0148-0.** Presented For Information.
- **X00-20120806-105B: S.R0148-0 v1.0 DRPM (ES-mode) Stage 1 marked is the marked up republication version of S.R0148-0.** Presented for Information.
- **X00-20120806-106: TSG-S correspondence to TIA TR45.8 re S.P0146-0 M2M SRD Publication was presented For Information.**
- **X00-20120806-106A: S.R0146-0 v1.0 M2M System Requirements is the publication version of S.R0146-0.** Presented For Information.
- **X00-20120806-106B: S.R0146-0 v1.0 M2M System Requirements-marked is the marked up publication version of S.R0146-0.** Presented for Information.
- **X00-20120806-106C: S.R0146-0 v1.0 M2M System SRD Comment Disposition Record was presented For Information.**
- **X00-20120806-107: TSG-S correspondence to TIA TR45.8 re S.P0149-0 Remote Provisioning Publication was presented For Information.**
- **X00-20120806-107A: S.R0149-0 v1.0 Remote Subscription Mgmt is the publication version of S.R0149-0.** Presented For Information.
- **X00-20120806-107B: S.R0149-0 v1.0 Remote Subscription Mgmt-marked is the marked up publication version of S.R0149-0.** Presented for Information.
17. Old Business
   • None

18. Assignments/TSG-X Action Item List
   • X00-20120806-006R1: TSG-X Action Item List was updated and approved.

19. Open Discussion
   • None

20. Schedule of meetings
   • X00-20120806-101: The TSG-X October 2012 Meeting Agenda and Schedule was approved.

The October 2012 TSG-X meeting details are:

<table>
<thead>
<tr>
<th>Dates</th>
<th>October 15-19, 2012</th>
</tr>
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<tbody>
<tr>
<td>Location</td>
<td>Sheraton Sapporo Hotel</td>
</tr>
<tr>
<td></td>
<td>5-5-25 Atsubetsuchuo 2J0, Atsubetsu-Ku</td>
</tr>
<tr>
<td></td>
<td>Sapporo, Hokkaido 0040052 Japan</td>
</tr>
<tr>
<td></td>
<td>Phone: (81)(11) 895 8811</td>
</tr>
<tr>
<td>Room Rate</td>
<td>Y12,500 Superior twin- Breakfast/Internet Inclusive</td>
</tr>
<tr>
<td>Cutoff</td>
<td>September 21, 2012</td>
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</tbody>
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21. Adjourn
   • The TSG-X Closing Plenary adjourned at 09:22 AM local time on Friday, August 10, 2012.
**TSG-X Outgoing Correspondence from the August 2012 meeting:**

<table>
<thead>
<tr>
<th>Document # (20120806-xxx)</th>
<th>Description</th>
<th>Source</th>
<th>Status</th>
<th>Transmittal #</th>
</tr>
</thead>
<tbody>
<tr>
<td>032</td>
<td>TSG-X Correspondence to TSG-S on WI Review</td>
<td>ERA Chair</td>
<td>Approved for transmission by the TSG-X Secretary on August 06.</td>
<td>X-01</td>
</tr>
<tr>
<td>102a</td>
<td>TSG-X correspondence to TSG-S Re: Work Item Review Comments</td>
<td>ERA Chair</td>
<td>Approved for transmission by the TSG-X Secretary on August 10.</td>
<td>X-02</td>
</tr>
<tr>
<td>102a1</td>
<td>TSG-X Comments on 3GPP2-00314</td>
<td>ERA Chair</td>
<td>Approved for transmission by the TSG-X Secretary on August 10.</td>
<td>X-02A</td>
</tr>
<tr>
<td>102b</td>
<td>TSG-X correspondence to TSG-S Re: New Work Proposal</td>
<td>ERA Chair</td>
<td>Approved for transmission by the TSG-X Secretary on August 10.</td>
<td>X-03</td>
</tr>
<tr>
<td>102b1</td>
<td>WI Proposal for Concurrent Volume and Duration based Prepaid Packet Data Service</td>
<td>ERA Chair</td>
<td>Approved for transmission by the TSG-X Secretary on August 10.</td>
<td>X-03A</td>
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<tr>
<td>103aR2</td>
<td>TSG-X Liaison to ITU</td>
<td>MMD Chair</td>
<td>Approved for transmission by the TSG-X Secretary on August 10.</td>
<td>X-04</td>
</tr>
<tr>
<td>103b</td>
<td>TSG-X correspondence to SC Workshop</td>
<td>MMD Chair</td>
<td>Approved for transmission by the TSG-X Secretary on August 10.</td>
<td>X-05</td>
</tr>
<tr>
<td>104Cr0</td>
<td>LS to TR-45.8 re: V&amp;V Completion of X.S0061-A v1.0</td>
<td>Chair</td>
<td>Approved for transmission by the TSG-X Secretariat on August 10.</td>
<td>X-06</td>
</tr>
</tbody>
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