

1 **Title:**

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2 **APPROVED SUMMARY OF TSG-S MEETING**  
3 **for 25-28 July 2011 in Ottawa, ON, Canada**

4 **Source:**

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7  
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15  
16 **Abstract:**

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17 This document is a summary of the 3GPP2 TSG-S meetings that were held during the period of  
18 25-28 July 2011 in Ottawa, ON, Canada.

19  
20 **Recommendations:**

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21 For review and approval.

22  
23 **Notice:**

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1 During the period of 25-28 July 2011, 3GPP2 TSG-S meetings were held at the Fairmont Château  
2 Laurier Hotel in Ottawa, ON, Canada. This document is intended to summarize those proceedings.

#### 4 OPENING PLENARY

5 1. **CALL TO ORDER AND OPENING REMARKS:** The meeting was called to order on  
6 Monday 25 July 2011 at 1:36 PM local time by TSG-S Chair, Nick Yamasaki (KDDI).

7 The Chair welcomed everyone to Ottawa.

8 The meeting participants were requested to sign-in electronically using the server sign-in facility.

9 The Chair noted that the URL for TSG-S sign-in is <http://tsgs.3gpp2.net>. The contributions are  
10 also located at <ftp://ftp.3gpp2.net>.

11 2. **ATTENDANCE REGISTRATION AND ROLL CALL:** A roll call of companies indicated  
12 that 12 companies included on the list of 15 active quorum members were present (80%  
13 participation). Thus, meeting quorum was achieved.

14 The Secretary noted that no proxy statements had been received for this meeting.

15 3. **INTRODUCTION AND NUMBERING OF CONTRIBUTIONS:** Contributions were loaded  
16 onto the 3GPP2 LAN server and listed in the document register (S00-20110725-000).

17 4. **AGENDA APPROVAL:** The proposed agenda (S00-20110725-001) was presented.

18 The following events for the week were noted:

- 19 • A joint TSG meeting will be hosted by TSG-S WG1 on Monday 25 July 2011 during the  
20 5:00-7:00 PM time slot in the TSG-C Plenary Room to discuss the M2M SRD.

21 A second meeting is also scheduled for Wednesday 27 July 2011 during the 6:00-8:00  
22 PM time slot in the TSG-C Plenary Room.

- 23 • The SC M2M Numbering AdHoc meeting will be held on Tuesday 26 July 2011 during  
24 the 5:00-7:00 PM time slot in the TSG-C Plenary Room.

- 25 • A joint TSG meeting will be held in the TSG-X Plenary room on Wednesday 27 July  
26 2011 during the 8:30-NOON time slot to discuss M2M architecture issues.

- 27 • Joint meeting between TSG-S WG1 and TSG-A WG3 regarding Energy Saving RAN  
28 issues will be held on Wednesday 27 July 2011 during the 3-5 PM time slot in TSG-A  
29 Plenary Room.

- 30 • The SC 2012 Workshop Planning AdHoc meeting will be held on Wednesday 27 July  
31 2011 during the 5:00-6:00 PM time slot in the TSG-C Plenary Room.

32 **DECISION: The agenda was approved without objection as submitted (S00-20110725-001).**

- 1 5. **APPROVAL OF PREVIOUS MEETING SUMMARY:** The summary of the TSG-S meeting  
2 for May 2011 that was held in Dallas, TX, USA (S00-20110725-002) was presented.  
3 **DECISION: This meeting summary was approved without objection as submitted (S00-**  
4 **20110725-002).**
- 5 6. **REVIEW OF OUTSTANDING ACTIONS FROM PREVIOUS MEETING:** The action  
6 items from the May 2011 face-to-face meeting were noted as follows:  
7 110328-001 The Chair issued a call for volunteers to serve as WG4 Vice-Chair. Interested  
8 parties should notify both the WG4 Chair, Anand Palanigounder (Qualcomm), and the  
9 TSG-S Chair.  
10 This action is still OPEN.
- 11 7. **CORRESPONDENCE AND LIAISON REPORTS:**
- 12 • **OP:** No contributions or discussion.
  - 13 • **SC:** No contributions or discussion.
  - 14 • **3GPP2 SECRETARIAT:** The following contributions were discussed:
    - 15 • E-mail correspondences regarding SC level approval of 3GPP2 Presentation for  
16 Femtocell World Summit (S00-20110725-006) was presented from the 3GPP2  
17 Secretariat as FYI for TSG-S.
    - 18 • E-mail correspondences regarding SC level review and approval of S.S0145-0  
19 v1.0 Advanced Security Framework for HRPD and eHRPD Systems (S00-  
20 20110725-007) was presented from the 3GPP2 Secretariat. **ACTION: This**  
21 **contribution was remanded to WG4 as FYI.**
    - 22 • E-mail correspondence dated 1 June 2011 regarding V&V review of S.P0139-0  
23 v0.13 Femtocell Systems Overview for cdma2000 Wireless Communication  
24 Systems (S00-20110725-008) was presented from the 3GPP2 Secretariat.  
25 **ACTION: This contribution was remanded to WG1 as FYI.**
    - 26 • 3GPP2 Workplan files for July 2011 (S00-20110725-009) was presented from the  
27 3GPP2 Secretariat. **ACTION: This contribution was remanded to all WGs**  
28 **for review and comment with comments to be coordinated by WG3.**
    - 29 • MEID Administration Report for the period ending 31 December 2010 (S00-  
30 20110725-010) was presented from the 3GPP2 Secretariat. **ACTION: This**  
31 **contribution was remanded to WG1 as FYI.**
    - 32 • E-mail correspondence dated 6 June 2011 regarding SC level approval of five (5)  
33 WIs (S00-20110725-011) was presented from the 3GPP2 Secretariat. **ACTION:**  
34 **This contribution was remanded to WG3 as FYI.**
    - 35 • E-mail correspondence dated 6 June 2011 regarding SC review for 3GPP2-00288  
36 Add support for EVRC SOs 68, 70, and 73 to vocoder related documents (S00-  
37 20110725-022) was presented from the 3GPP2 Secretariat. **ACTION: This**  
38 **contribution was remanded to WG3 as FYI.**

- 1           •       V&V comments regarding S.P0139-0 Femto System Overview (S00-20110725-  
2                    023) was presented from the 3GPP2 Secretariat. **ACTION: This contribution**  
3                    **was remanded to WG1 for review and action as appropriate.**
- 4           •       **TSG-A:** Correspondence dated 26 May 2011 regarding TSG-A Work Item, Stage 1, LS,  
5                    and SC Documents for Review (S00-20110725-004) was presented from TSG-A.  
6                    **ACTION: This contribution was remanded to WG1 and WG3 for review and**  
7                    **action as appropriate.**
- 8           •       **TSG-C:** The following contributions were discussed:
- 9                    •       TSG-C Liaison Report for May 2011 in Dallas, TX, USA (S00-20110725-003)  
10                    was presented from the TSG-C Liaison as FYI for TSG-S. **ACTION:**  
11                    **Attachments A and B were remanded to WG3 for review and action as**  
12                    **appropriate.**
- 13                   •       Correspondence dated 25 July 2011 regarding comments on S.P0146-0 v0.31  
14                    Machine-to-Machine Communication System Requirements (S00-20110725-026)  
15                    was presented from TSG-C. **ACTION: This contribution was remanded to**  
16                    **WG1 for review and action as appropriate.**
- 17                   •       Correspondence dated 25 July 2011 regarding comments on S.P0147-0 v0.2  
18                    System Requirements for Unstructured Supplementary Services Data (S00-  
19                    20110725-027) was presented from TSG-C. **ACTION: This contribution was**  
20                    **remanded to WG1 for review and action as appropriate.**
- 21           •       **TSG-X:** Correspondence dated 27 May 2011 regarding Review Comments (S00-  
22                    20110725-005) was presented from TSG-X. **ACTION: This contribution was**  
23                    **remanded to WG3 for review and action as appropriate.**
- 24           •       **TIA:** The following contributions were discussed:
- 25                    •       Correspondence dated 11 June 2011 regarding TIA ballot comments on  
26                    S.P0139-0 (S00-20110725-012) was presented from TIA TR45.8. **ACTION:**  
27                    **This contribution was remanded to WG1 for review and action as**  
28                    **appropriate.**
- 29                    •       A presentation regarding TIA MEID Database Overview (S00-20110725-018)  
30                    was presented from TIA TR45 EUMAG. **ACTION: This contribution was**  
31                    **remanded to WG1 for review and action as appropriate.**
- 32           •       **ITU:** An LS dated 10 June 2011 regarding termination of JCA-MGMT (S00-20110725-  
33                    012) was presented from ITU-T SG2. **ACTION: This contribution was remanded to**  
34                    **WG2 for review and action as appropriate.**
- 35           •       **3GPP:** No contributions or discussion.
- 36           •       **3GPP TSG-SA5 and T1M1:** No contributions or discussion.
- 37           •       **IEEE or WiFi Alliance:** No contributions or discussion.
- 38           •       **OMA:** No contributions or discussion.

- 1       •     **CDG:** No contributions or discussion.
- 2       •     **FEMTO FORUM:** No contributions or discussion.
- 3       •     **Other:** The following contributions were discussed:
- 4             •     An LS to 3GPP SA WG1 dated 10 June 2011 regarding Response to LS on  
5                    Clarification to eUICC uses cases and Requirements ref: S1-111298 (S00-  
6                    20110725-013) was presented from GSMA. **ACTION: This contribution was**  
7                    **remanded to WG1 for review and action as appropriate.**
- 8             •     Liaison Letter dated March 2011 regarding MPEG-M (Multimedia Service  
9                    Platform Technologies) for Advanced IPTV Terminal (AIT) (S00-20110725-025)  
10                   was presented from ISO/IEC JTC 1/SC 29/WG 11. **ACTION: This**  
11                   **contribution was remanded to WG1 for review and action as appropriate.**
- 12   8.     **NEW/OLD BUSINESS:**
- 13             •     A contribution regarding TSG-S Future Meetings (S00-20110725-024R1) was presented  
14                    from the TSG-S Chair. He recommended that the TSG-S face-to-face meetings for  
15                    February 2012 (China) and August 2012 (USA) be replaced with GTM conference calls.  
16                    **ACTION: This contribution was remanded to all WGs for review and comment by**  
17                    **the closing Plenary.**
- 18             •     A contribution regarding Possible Work in 3GPP2 to Support SON (S00-20110725-028)  
19                    was presented from Alcatel-Lucent. **ACTION: This contribution was remanded to all**  
20                    **WGs as FYI.**
- 21   9.     **WORKING GROUP AND ADHOC BUSINESS:**
- 22             •     **WG1 REQUIREMENTS:** The following contributions were discussed:
- 23                    •     Meeting notes regarding M2M Communication SRD Development (S00-  
24                    20110725-017) was presented from the WG1 Chair as FYI for TSG-S.
- 25                    •     V&V comments regarding S.P0139-0 Femto System Overview (S00-20110725-  
26                    015) was presented from NSN. **ACTION: This contribution was remanded to**  
27                    **WG1 for review and action as appropriate.**
- 28                    •     V&V comments regarding S.P0139-0 Femto System Overview (S00-20110725-  
29                    019) was presented from Qualcomm. **ACTION: This contribution was**  
30                    **remanded to WG1 for review and action as appropriate.**
- 31                    •     V&V comments regarding S.P0139-0 Femto System Overview (S00-20110725-  
32                    020) was presented from Huawei. **ACTION: This contribution was remanded**  
33                    **to WG1 for review and action as appropriate.**
- 34             •     **WG2 ARCHITECTURE AND OAM&P:** No contributions or discussion.

- 1           •       **WG3 PMT:** The following contributions were discussed:
- 2                   •       TSG-S meeting summary and electronic approval of WG3 outputs – 10 June 2011  
3                   (S00-20110725-016) was presented from WG3 as FYI for TSG-S. This  
4                   contribution noted that the following documents had been electronically approved  
5                   by the TSG-S Plenary during the interim since the last Plenary meeting:
- 6                   1.       Correspondence to TSG-X dated 8 June 2011 regarding TSG-X  
7                   Comments on 3GPP2-00285
  - 8                   2.       3GPP2-00295 TDF support in cdma2000 1x and HRPD Networks (for  
9                   TSG Review)
  - 10                  3.       WI Tracking Sheet dated 8 June 2011 (for distribution to all TSGs)
  - 11                  4.       Correspondence to all TSGs dated 8 June 2011 regarding Release of WI(s)  
12                  for TSG Review (for transmission with items 2 and 3 above attached)
- 13               •       TSG-S draft meeting summary and electronic approval of WG3 outputs – 13 July  
14               2011 (S00-20110725-021) was presented from WG3 as FYI for TSG-S. This  
15               contribution noted that the following documents had been electronically approved  
16               by the TSG-S Plenary during the interim since the last Plenary meeting:
- 17               1.       3GPP2-00296 Electro-acoustic minimum performance requirements  
18               update (for TSG Review)
  - 19               2.       3GPP2-00288 Add support for EVRC SOs 68, 70, and 73 to vocoder  
20               related documents (for SC Level Review)
  - 21               3.       WI Tracking Sheet dated 11 July 2011 for distribution to all TSGs
  - 22               4.       Correspondence to all TSGs dated 13 July 2011 regarding Release of  
23               WI(s) for TSG Review for transmission with items 1 and 3 above attached.
- 24           •       **WG4 SECURITY:** No contributions or discussion.
- 25           •       **3GPP2 VISION ADHOC:** No contributions or discussion.

26 This session was recessed on 25 July 2011 at 3:28 PM local time.

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29

### 30 **CLOSING PLENARY**

31 The meeting was reconvened on Thursday 28 July 2011 at 2:00 PM local time by TSG-S Chair, Nick  
32 Yamasaki (KDDI).

33 Quorum was established at the opening Plenary and not challenged at this time. No additional 3GPP2  
34 individual member companies on the active TSG-S roster were noted in attendance.

35 Participants were also requested to make sure they have signed-in on the electronic sign-in sheet.

1 **10. WORKING GROUP REPORTS:**

- 2 • **WG1 REPORT:** The WG1 report (S00-20110725-101) was presented by WG1 Chair,  
3 Alex Gogic (Qualcomm), as FYI.
- 4 • Documents being recommended for publication:  
5 • S.P0139-0 v1.0 Femtocell and Picocell System Overview
- 6 • Documents being recommended for V&V review:  
7 • S.P0140-0 v1.1 GREEN – updated for compliance with TIA Legal Review  
8 • S.P0147-0 v0.3 USSD SRD
- 9 • Documents being recommended for TSG review: NONE
- 10 • Progressed the development of the following:  
11 • Femtocells and Picocells  
12 • M2M Communication  
13 • GREEN Technology Initiative and Dynamic RAN Power Management  
14 • USSD  
15 • Embedded UICC  
16 • Remote Provisioning of MS Credentials  
17 • Self-Organizing Networks (SON)  
18 • Equipment Numbering
- 19 • Regarding future face-to-face meetings of TSG-S:  
20 • No objection to the proposal that TSG-S attendance at the face-to-face  
21 meetings in February 2012 and August 2012 be cancelled. These meeting  
22 are to be converted to electronic (GTM)
- 23 • Most companies would have representatives in the face-to-face for other  
24 TSG business, but when it comes to individuals this picture is somewhat  
25 different.
- 26 • WG1 could live with either option in terms of timing of the plenary:  
27 During super-meeting week, or outside it. No preference was expressed  
28 one way or another, as long as GTM facility is available.
- 29 • For additional electronic meeting, the PMT model would be OK, with  
30 duration limited to 2 hours. WG1 meetings will likely be topic specific.  
31 Recommend to have 8 pre-planned virtual meetings, one in every month  
32 that there is no face-to-face. Dates: For 2012: First Monday on or after  
33 the 15th of the moth.
- 34 • Joint meetings, if required with other TSGs could be conducted during  
35 super-meetings when TSG-S does not meet (e.g., 8 AM to 10 AM  
36 Tuesday (February) in China). AM/PM needs to be adjusted, depending  
37 on whether such a meeting is east coast of west coast in North America
- 38 • Regarding the idea of WG1 face-to-face without plenary meeting, at least  
39 two companies expressed reservation. Recommendation is to use GTM  
40 consistently.

- 1 • Interim WG1 conference calls have been scheduled as follows:
  - 2 • 19 September 2011 during the 5-7 PM US Pacific Time to discuss M2M
  - 3 SRD

4 **DECISION: S.P0139-0 Femtocell and Picocell System Overview (S00-20110725-**  
5 **106R2) was approved without objection for publication as S.R1039-0 v1.0.**

6 **DECISION: S.P0139-0 V&V Comment Disposition Record (S00-20110725-107) was**  
7 **approved without objection for distribution.**

8 **DECISION: Proposed correspondence to TIA TR45.8 regarding S.P0139-0**  
9 **Comment Disposition (S00-20110725-108R1) was approved without objection for**  
10 **distribution with S00-20110725-106R2 and S00-20110725-107 attached.**

11 **DECISION: S.P0140-0 v1.1 GREEN Study proposed V&V text for compliance with**  
12 **TIA Legal Review (S00-20110725-114R1) was approved without objection for V&V**  
13 **review by the 3GPP2 OPs and TSG-S participants and as FYI for the other TSGs**  
14 **with comments due on or before 23 September 2011. The Secretary will create the**  
15 **pdf of this document.**

16 **DECISION: Proposed correspondence to TIA TR45.8 regarding TIA Legal**  
17 **Comments on GREEN Study S.R0140 and V&V (S00-20110725-113) was approved**  
18 **without objection for transmission with S00-20110728-114R1 attached.**

19 **DECISION: S.P0147-0 v0.3 USSD SRD (S00-20110725-109) was approved without**  
20 **objection for V&V review by the 3GPP2 OPs and TSG-S participants and as FYI**  
21 **for the other TSGs with comments due on or before 23 September 2011.**

22 **DECISION: Proposed correspondence to TIA TR45.8 regarding S.P0147-0 V&V**  
23 **(S00-20110725-110) was approved without objection for transmission with S00-**  
24 **20110725-109 attached.**

25 **DECISION: Proposed correspondence to TSG-C on comments regarding S.P0147**  
26 **comment disposition (S00-20110725-111R1) was approved without objection for**  
27 **transmission with S00-20110725-109 attached.**

28 **DECISION: S.R0149-0 was assigned for use as Remote Provisioning of MS**  
29 **Credentials Stage 1 Requirements**

30 **DECISION: Document development notification regarding S.P0149 Remote**  
31 **Provisioning of MS Credentials (S00-20110725-112R1) was approved without**  
32 **objection for transmission.**

33 **ACTION: The WG1 Development Schedule (S00-20110725-101A) was remanded to**  
34 **WG3 and the PMT Coordinator for review and action as appropriate.**

- 35 • **WG2 REPORT:** The WG2 report (S00-20110725-102) was presented by WG2 Chair,  
36 Scott Marin (Motorola Solutions), as FYI.
  - 37 • Documents being recommended for publication: NONE
  - 38 • Documents being recommended for V&V review: NONE



- 1           • Documents being recommended for TSG review: NONE
- 2           • Documents being recommended as baseline text:
- 3           • S.P0135-A v0.3 Femto NAM
- 4           • Work was progressed this week on the following:
- 5           • Baselined on the S.P0135-A v0.3, Femto NAM for R&F. Draft v0.2 was
- 6           presented in S.2, A.2, and X.5. Good feedback was received. For the
- 7           Chengdu meeting, the plan is to resolve R&F comments in a joint A.2, X.5,
- 8           and S.2 meeting and release the document for V&V.
- 9           • After architectural consensus matures in the all-TSG M2M discussions
- 10          hosted by TSG-X, work may start on an M2M NAM or an update to
- 11          ALLIP NAM to incorporate M2M entities.
- 12          • Regarding future face-to-face meetings of TSG-S:
- 13           • WG2 supports the proposal that the TSG-S plenary face-to-face meetings
- 14           planned for Feb 2012 and August 2012 be replaced with conference calls.
- 15           • Out of the six (6) company representatives that were at this meeting,
- 16           two (2) of those people will still be attending the associated 3GPP2 super
- 17           meeting and the four (4) others may not attend.
- 18           • Because WG2 technical work is largely done in joint TSG sessions, it may
- 19           be best for WG2 to continue to join the joint sessions and follow up with a
- 20           WG2 conference call for a room at the face-to-face meeting in time to
- 21           prepare for the TSG-S plenary conference call. WG2 expects to decide a
- 22           meeting method prior to each 3GPP2 face-to-face meeting.
- 23           • WG2 notes that joint sessions and WG2 sessions that meet face-to-face
- 24           should also have conference bridges.

25           **DECISION: S.P0135-A v0.3 Femto NAM (S00-20110725-118) was approved**

26           **without objection as baseline text and remanded back to WG2 for R&F.**

27           **DECISION: Proposed correspondence to TSGs regarding S.P0135-A v0.3 Femto**

28           **NAM for R&F (S00-20110725-119R1) was approved without objection for**

29           **transmission with S00-20110728-118 attached.**

30           **DECISION: Document development notification regarding S.R0135-A Femto NAM**

31           **(S00-20110725-120) was approved without objection for transmission.**

32           **ACTION: The WG2 meeting report (S00-20110725-102) and WG2 development**

33           **schedule (S00-20110725-102A) was remanded to WG3 for review and action as**

34           **appropriate.**

- 35          • **WG3 REPORT:** The WG3 Report (S00-20110725-103) was presented by WG3 Chair,
- 36          Clif Barber (KDDI), as FYI.

37           **DECISION: The WI Tracking Sheet dated 28 July 2011 (S00-20110725-103C) was**

38           **approved without objection for presentation to the SC meeting and distribution as**

39           **an attachment to the TSG-S Liaison Report.**

1 With respected to future face-to-face meetings of TSG-S:

- 2 • The PMT has no objection to the Chair's proposal that TSG-S attendance at the  
3 face-to-face meetings in February 2012 and August 2012 be replaced with WG  
4 and Plenary conference calls.
- 5 • Out of the eight (8) company representatives that were at this meeting, seven (7)  
6 of those people will still be attending the face-to-face sessions due to their  
7 responsibilities in other TSGs.
- 8 • Two (2) options were noted for TSG-S Plenaries as follows for meetings where  
9 TSG-S will not meet face-to-face:
  - 10 • Hold Plenaries via GTM during the week before and the week after the  
11 face-to-face session.
  - 12 • Hold Plenaries via GTM at the same time locally for the venue as the  
13 TSG-S opening and closing Plenaries are normally scheduled.

14 The WG agreed to recommend that TSG-S Plenaries for meetings where TSG-S  
15 will not meet face-to-face be scheduled via GTM at the same time locally for the  
16 venue as the TSG-S opening and closing Plenaries are normally scheduled.

17 The PMT began preliminary considerations on the development of SRG 7:

- 18 • The PMT agreed to recommend a December 2012 target schedule for SRG 7 with  
19 the following being considered as critical WIs:
  - 20 • M2M
  - 21 • SON (Based on input from CDG SON SIG)
- 22 • The PMT Chair will include a note for information on this in the PMT Report to  
23 the SC meeting in Chengdu.

24 To better assist TSGs in managing their work, the PMT will add a TSG Document  
25 Actions Report for each TSG to the regularly distributed workplan files.

- 26 • Actions to be noted
  - 27 • V&V release
  - 28 • TSG Approval for publication
- 29 • Sort order
  - 30 • Past due documents
  - 31 • Documents due in the current month
  - 32 • Document actions planned for the future
- 33 • Although each TSG will regularly receive its own Document Action Report,  
34 reports for other TSGs will be available upon request from the PMT Coordinator.
- 35 • The workplan files for the PMT will include all TSG Document Action Reports.

36 Due to the fact that the scheduled PMT conference call on Friday 9 September 2011 US  
37 time would pose a hardship for Asian participants, that PMT interim call has now been  
38 rescheduled for Thursday 8 September 2011 at 8:00 PM US east coast time.

1 **DECISION: The following WI(s) were approved without objection for TSG review**  
2 **processing by the 3GPP2 Secretariat and to be copied to all TSGs with comments**  
3 **due on or before 6 September 2011:**

- 4 • **NONE**

5 **DECISION: The following WI(s) were approved without objection for SC level**  
6 **review as coordinated by the 3GPP2 PMT Coordinator. The WIs so approved are**  
7 **available from the 3GPP2 website unless indicated as a contribution number below:**

- 8 • **NONE**

9 **DECISION: SC.P2006-002-0 v1.1 SRG 6 (S00-20110725-115R1) was approved**  
10 **without objection to be recommended to the SC for publication as SC.R2006-002-0**  
11 **v2.0 pending the publication of S.R0139.**

12 **DECISION: SC.P1002-0 v3.2 Publication Numbering Guidelines (S00-20110725-**  
13 **116) was approved without objection to be recommended to the SC for publication**  
14 **as SC.P1002-0 v4.0.**

15 **DECISION: Proposed correspondence to all TSGs regarding PMT action items**  
16 **(S00-20110725-117R1) was approved without objection for transmission.**

- 17 • **WG4 REPORT: DID NOT MEET**
- 18 • **3GPP2 VISION ADHOC REPORT: DID NOT MEET**

#### 19 **11. ADDITIONAL CORRESPONDENCE AND LIAISON REPORTS:**

- 20 • **OP:** No contributions or discussions.
- 21 • **SC:** Correspondence dated 28 July 2011 regarding TSG Review of SC.P4005-0 3GPP2  
22 M2M Numbering Recommendations (S00-20110725-121) was presented from the SC  
23 M2M Numbering AdHoc. **ACTION: This correspondence was remanded to all WGs**  
24 **for review and comments with comments to be coordinated by WG1 as an output of**  
25 **the September 2011 meeting in Chengdu.**
- 26 • **3GPP2 SECRETARIAT:** No contributions or discussions.
- 27 • **TSG-A:** Correspondence dated 28 July 2011 regarding TSG-A Work Item, Stage 1, LS,  
28 and SC Documents for Review (S00-20110725-122) was presented from TSG-A.  
29 **ACTION: This correspondence was remanded to WG3 for review and action as**  
30 **appropriate.**
- 31 • **TSG-C:** No contributions or discussions.
- 32 • **TSG-X:** No contributions or discussions.
- 33 • **TIA:** No contributions or discussions.
- 34 • **ITU:** No contributions or discussions.
- 35 • **3GPP:** No contributions or discussions.

- 1 • **3GPP TSG-SA5 and T1M1:** No contributions or discussions.
- 2 • **IEEE or WiFi Alliance:** No contributions or discussions.
- 3 • **OMA:** No contributions or discussions.
- 4 • **CDG:** No contributions or discussions.
- 5 • **FEMTO FORUM:** No contributions or discussions.
- 6 • **OTHER:** No contributions or discussions.

7 12. **NEW BUSINESS (continued): ACTION: The Secretary was assigned an action to update**  
 8 **the Chair's presentation regarding TSG-S Future Meetings (S00-20110725-024R1) based**  
 9 **on the WG review comments. This document will be submitted for electronic approval by**  
 10 **the TSG (one (1) week review period) for submission to the SC meeting in Chengdu.**

11 13. **OLD BUSINESS (continued):** The following issues were discussed:

- 12 • The TSG-S Document Status Table (S00-20110725-100) was presented. **DECISION:**  
 13 **This contribution was approved without objection for distribution as modified by**  
 14 **the discussion (S00-20110725-100R1) pending final comments by document Editors**  
 15 **and WG Chairs.**

16 **ACTION: All document Editors and WG Chairs must review and comment with**  
 17 **comments to be forwarded to the WG1 Vice-Chair by COB Tuesday 2 August 2011.**

18 14. **ADMINISTRATION, OPEN ACTION ITEMS, AND OTHER BUSINESS:**

- 19 • The future meeting schedule for TSG-S was noted as follows:

26-29 September 2011	Sofitel Wanda Chengdu Hotel in Chengdu, China
5-8 December 2011	HI, USA
6-9 February 2012	Conference Call schedule

- 20 • Although not explicitly reviewed during the meeting, the assignments, other than  
 21 document remands and action items that were completed at this meeting, are summarized  
 22 as follows:

23 110328-001 The Chair issued a call for volunteers to serve as WG4 Vice-Chair.  
 24 Interested parties should notify both the WG4 Chair, Anand Palanigounder  
 25 (Qualcomm) and the TSG-S Chair.

26 The Plenary was adjourned on 28 July 2011 at 4:26 PM local time.

NUMBER	SUBJECT	SOURCE	ACTION
<b>OPENING PLENARY – S00-20110725-</b>			
000	DOCUMENT REGISTER	SECRETARY	FYI
001	AGENDA	CHAIR	APPROVED
002	TSG-S Meeting Summary – May 2011 – Dallas, TX	SECRETARY	APPROVED
003	TSG-C Liaison Report – May 2011 – Dallas, TX	TSG-C LIAISON	FYI A, B → WG3
004	Correspondence dated 26 May 2011 regarding TSG-A Work Item, Stage 1, LS, and SC Documents for Review	TSG-A	WG1, WG3
005	Correspondence dated 27 May 2011 regarding Review Comments	TSG-X	WG3
006	E-mail correspondences regarding SC level approval of 3GPP2 Presentation for Femtocell World Summit	3GPP2 SECRETARIAT/ SECRETARY	FYI
007	E-mail correspondences regarding SC level review and approval of S.S0145-0 v1.0 Advanced Security Framework for HRPD and eHRPD Systems	3GPP2 SECRETARIAT	WG4
008	E-mail correspondence dated 1 June 2011 regarding V&V review of S.P0139-0 v0.13 Femtocell Systems Overview for cdma2000 Wireless Communication Systems	3GPP2 SECRETARIAT	WG1
009	3GPP2 Workplan files – July 2011	3GPP2 SECRETARIAT	<b>WG3</b> All WGs
010	MEID Administration Report for the period ending 31 December 2010	3GPP2 SECRETARIAT	WG1
011	E-mail correspondence dated 6 June 2011 regarding SC level approval of five (5) WIs	3GPP2 SECRETARIAT	WG3
012	Correspondence dated 11 June 2011 regarding TIA ballot comments on S.P0139-0	TIA TR45.8	WG1
013	LS to 3GPP SA WG1 dated 10 June 2011 regarding Response to LS on Clarification to eUICC uses cases and Requirements ref: S1-111298	GSMA	WG1
014	LS dated 10 June 2011 regarding termination of JCA-MGMT	ITU-T SG2	WG2
015	V&V comments regarding S.P0139-0 Femto System Overview	NSN	WG1
016	TSG-S meeting summary and electronic approval of WG3 outputs – 10 June 2011	WG3	FYI
017	Meeting notes regarding M2M Communication SRD Development	WG1 CHAIR	FYI
018	TIA MEID Database Overview	TIA TR45 EUMAG	WG1
019	V&V comments regarding S.P0139-0 Femto System Overview	QUALCOMM	WG1
020	V&V comments regarding S.P0139-0 Femto System Overview	HUAWEI	WG1
021	TSG-S meeting summary and electronic approval of WG3 outputs – 13 July 2011	WG3	FYI
022	E-mail correspondence dated 6 June 2011 regarding SC review for 3GPP2-00288 Add support for EVRC SOs 68, 70, and 73 to vocoder related documents	3GPP2 SECRETARIAT	WG3
023	V&V comments regarding S.P0139-0 Femto System Overview	3GPP2 SECRETARIAT	WG1
024	TSG-S Future Meetings	CHAIR	ALL WGs

025	Liaison Letter dated March 2011 regarding MPEG-M (Multimedia Service Platform Technologies) for Advanced IPTV Terminal (AIT)	ISO/IEC JTC 1/SC 29/WG 11	WG1
026	Correspondence dated 25 July 2011 regarding comments on S.P0146-0 v0.31 Machine-to-Machine Communication System Requirements	TSG-C	WG1
027	Correspondence dated 25 July 2011 regarding comments on S.P0147-0 v0.2 System Requirements for Unstructured Supplementary Services Data	TSG-C	WG1
028	Possible Work in 3GPP2 to Support SON	ALCATEL-LUCENT	ALL WGs
<b>CLOSING PLENARY – S00-20110726-</b>			
100	TSG-S Document Status Table	WG1	APPROVED R1
101	WG1 Report	WG1	FYI
102	WG2 Report	WG2	FYI
103	WG3 Report	WG3	FYI Specific Attachments APPROVED
104	WG4 Report	WG4	DID NOT MEET
105	3GPP2 Vision AdHoc Report	3GPP2 VISION ADHOC	DID NOT MEET
106	S.P0139-0 Femtocell and Picocell System Overview proposed publication text	WG1	APPROVED R2
107	S.P0139-0 V&V Comment Disposition Record	WG1	APPROVED
108	Proposed correspondence to TIA TR45.8 regarding S.P0139-0 Comment Disposition	WG1	APPROVED R1
109	S.P0147-0 v0.3 USSD SRD proposed V&V text	WG1	APPROVAL
110	Proposed correspondence to TIA TR45.8 regarding S.P0147-0 V&V	WG1	APPROVAL
111	Proposed correspondence to TSG-C on comments regarding S.P0147 comment disposition	WG1	APPROVED R1
112	Document development notification regarding S.P0149 Remote Provisioning of MS Credentials	WG1	APPROVED R1
113	Proposed correspondence to TIA TR45.8 regarding TIA Legal Comments on GREEN Study S.R0140 and V&V	WG1	APPROVED
114	S.P0140-0 v1.1 GREEN Study proposed V&V text for compliance with TIA Legal Review	WG1	APPROVED R1
115	SC.P2006-002-0 v1.1 SRG 6 proposed publication text	WG3	APPROVED R1
116	SC.R1002-0 v3.2 Publication Numbering Guidelines proposed publication text	WG3	APPROVED
117	Proposed correspondence to all TSGs regarding PMT action items	WG3	APPROVED R1
118	S.P0135-A v0.3 Femto NAM proposed baseline text	WG2	APPROVED
119	Proposed correspondence to TSGs regarding S.P0135-A v0.3 Femto NAM for R&F	WG2	APPROVED R1
120	Document development notification regarding S.R0135-A Femto NAM	WG2	APPROVED
121	Correspondence dated 28 July 2011 regarding TSG Review of SC.P4005-0 3GPP2 M2M Numbering Recommendations	SC M2M NUMBERING ADHOC	<b>WG1</b> ALL WGs

122	Correspondence dated 28 July 2011 regarding TSG-A Work Item, Stage 1, LS, and SC Documents for Review	TSG-A	WG3
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PUBLISHED TSG-S SPECIFICATIONS AND REPORTS		
NUMBER	TITLE	RESP
S.R0003-0	3GPP2 System Capability Guide v1.0	WG1
S.R0003-A	3GPP2 System Capability Guide v1.0	WG1
S.R0004-0	3GPP2 Service Implementation Guide v1.0	WG1
S.R0005-A	3GPP2 Network Reference Model (Rev. A) v1.0	WG2
S.R0005-B	3GPP2 Network Reference Model (Rev. B) v2.0	WG2
S.R0006-0	Cellular Features Description (TIA/EIA-664-A Rev A) v1.0	WG1
S.R0006-A	Wireless Feature Descriptions v2.0	WG1
S.R0007-0	User Selective Call Forwarding (Stage 1) v2.1	WG1
S.R0008-0	Answer Hold (Stage 1) v2.0	WG1
S.R0009-0	User Identity Module (Stage 1) (PN-4582) v1.0	UIM ID ADHOC
S.R0010-0	Preferred Language Enhancement (Stage 1) (PN-4289) v1.0	WG1
S.R0011-0	Advice of Charge (Stage 1) (PN-4289) v1.0	WG1
S.R0012-0	Rejection of Undesired Annoying Calls (Stage 1) (PN-4289) v1.0	WG1
S.R0013-0	Global Emergency Call Origination (Stage 1) v1.0	WG1
S.R0014-0	Tandem Free Operation (Stage 1) v1.0	WG1
S.R0015-0	ISDN Interworking (Stage 1) v1.0	WG1
S.R0016-0	Automatic Code Gapping (Stage 1) v2.0	WG1
S.R0017-0	3G Wireless Network Management System High Level Requirements (Stage 1) v1.0	WG2
S.R0018-0	Prepaid Services (Stage 1) (PN-4287) v1.0	WG1
S.R0019-0	Location Based System Services (LBSS) Stage 1 v1.0	WG1
S.R0021-0	Multimedia Streaming Stage 1 v1.0	WG1
S.R0022-0	Video Conferencing Stage 1 v1.0	WG1
S.R0023-0	High Speed Data Enhancements for cdma2000 1x Stage 1 - Data Only v2.0	WG1
S.R0024-0	WLL Stage 1 v1.0	WG1
S.R0025-0	WPP Stage 1 v1.0	WG1
S.R0026-0	High Speed Data Enhancements for cdma2000 1x Stage 1 - Integrated Data and Voice (1xEV-DV) v1.0	WG1
S.R0027-0	Personal Mobility Stage 1 v1.0	WG1
S.S0028-0	OAM&P Specification v1.0	WG2
S.S0028-0	OAM&P Specification v2.0	WG2
S.S0028-0	OAM&P Specification v3.0	WG2
S.S0028-A	OAM&P Specification v3.0	WG2
S.S0028-xxx-B	OAM&P Specification v2.0 – parts 000 through 004	WG2
S.S0028-xxx-C	OAM&P Specification v1.0 – parts 000 through 004	WG2
S.S0028-xxx-D	OAM&P Specification v1.0 – parts 000 through 004	WG2
S.S0028-E	OAM&P Specification v1.0	WG2
S.R0029-0	Access control based on call type Stage 1 v1.0	WG1
S.R0030-0	Broadcast Multicast Services Stage 1 v1.0	WG1
S.R0030-A	Broadcast Multicast Services Stage 1 v1.0	WG1
S.R0032-0	ESA and ESP Stage 1 v1.0	WG1
S.R0033-0	Realm Configured Packet Data Session Dormancy Timer Stage 1 v1.0	WG1
S.R0034-0	UIM ID Assignment Guidelines v3.0	NUMBERING ADHOC
S.R0035-0	RESCINDED: Superseded by S.R0079-0	WG1
S.R0037-0	3GPP2 NAM v3.0	WG2



PUBLISHED TSG-S SPECIFICATIONS AND REPORTS		
NUMBER	TITLE	RESP
S.P0037-A	3GPP2 NAM v1.0	WG2
S.R0037-B	3GPP2 NAM v2.0	WG2
S.R0038-0	3GPP2 Evolution Document v2.0	WG2
S.R0045-0	RESCINDED 21 July 2005	WG1
S.R0046-0	RESCINDED 21 July 2005	WG1
S.R0047-0	RESCINDED 21 July 2005	WG1
S.R0048-0	MEID Stage 1 v1.0	NUM ADHOC
S.R0048-A	MEID Stage 1 v4.0	NUM ADHOC
S.R0050-0	RESCINDED 21 July 2005	WG1
S.R0051-0	EMS Stage 1 v1.0	WG1
S.R0052-0	3GPP2 System Release Guide v1.0	WG3
S.S0053-0	Common Cryptographic Algorithms v1.0	WG4
S.S0054-0	Interface Specification for Common Cryptographic Algorithms v1.0	WG4
S.S0055-0	Enhanced Cryptographic Algorithms v1.0	WG4
S.S0055-A	Enhanced Cryptographic Algorithms v4.0	WG4
S.R0057-0	IP Based Service Architecture System Requirements v1.0	WG1
S.R0058-0	IP Multimedia Domain System Requirements v1.0	WG1
S.R0059-0	Legacy MS Domain Step-1 v1.0	WG1
S.R0060-0	Removable User Identity Module (R-UIM) Mobile Equipment (ME) Interface Testing v1.0	UIM ID ADHOC
S.R0061-0	Immediate Messaging v1.0	WG1
S.R0062-0	Presence Service v1.0	WG1
S.R0064-0	Multimedia Messaging Stage 1 v1.0	WG1
S.P0063-0	RESCINDED	
S.R0064-A	Multimedia Messaging Stage 1 v1.0	WG1
S.R0065-0	Fast Call Setup Stage 1 v1.0	WG1
S.R0066-0	IP Based Location Services Stage 1 v1.0	WG1
S.R0067-0	Enhanced Call Recovery Stage 1 v1.0	WG1
S.R0068-0	LLA_ROHC Stage 1 v1.0	WG1
S.R0069-0	Header Stripping and Generation Stage 1 v1.0	WG1
S.R0070-0	3GPP2 Process Guidelines v1.0	WG1
S.R0070-A	PUBLISHED AS SC.R1003-0	WG3
S.R0071-0	Legacy System Packet Data Surveillance Requirements v1.0	WG4
S.R0072-0	IP System Packet Data Surveillance Requirements v1.0	WG4
S.R0073-0	Internet Over-the-Air Handset Configuration Management v1.0	WG1
S.R0074-0	Multimedia File Format Stage 1 v1.0	WG1
S.R0075-0	Accounting and Auditing Stage 1 v1.0	WG1
S.R0077-0	3GPP2 Vision Document - PUBLISHED AS SC.R5001-0	VISION ADHOC
S.S0078-0	Common Security Algorithms v1.0	WG4
S.S0078-A	Common Security Algorithms v4.0	WG4
S.R0079-0	End-to-End QoS Stage 1 v1.0	WG1
S.R0079-A	End-to-End QoS v1.0	WG1
S.P0078-B	Common Security Algorithms V1.0	WG4
S.R0080-0	Wide Band Speech Codec for CDMA 2000 Systems Stage 1 v1.0	WG1
S.R0082-0	Enhanced Packet Data Air Interface Security Stage 1 v1.0	WG4
S.R0083-0	Broadcast-Multicast Service Security Framework v1.0	WG4
S.S0083-0	Broadcast-Multicast Service Security Framework v1.0	WG4
S.R0084-0	Packet PrePaid Services Stage 1 v1.0	WG1

PUBLISHED TSG-S SPECIFICATIONS AND REPORTS		
NUMBER	TITLE	RESP
S.P0085-0	3GPP2 Equipment Numbering JEM Report and Conclusions - WITHDRAWN TO BE INCLUDED AS AN ANNEX IN S.R0048 MEID STAGE 1	
S.S0086-0	3GPP2 IMS Security Framework v1.0	WG4
S.S0086-A	3GPP2 IMS Security Framework v1.0	WG4
S.S0028-D	OAM&P for cdma2000 v1.0	WG2
S.S0086-B	3GPP2 IMS Security Framework v2.0	WG4
S.R0087-0	WLAN - cdma2000 Interworking v1.0	WG1
S.R0087-A	WLAN - cdma2000 Interworking v1.0	WG1
S.R0088-0	PUBLISHED AS SC.R4001-0	NUM ADHOC
S.R0089-0	PUBLISHED AS SC.R4002-0	NUM ADHOC
S.R0090-0	Network Initiated Data Sessions (NIDS) v1.0	WG1
S.P0091-0	WITHDRAWN	
S.R0092-0	LMSD Step 2 Stage 1 v1.0	WG1
S.S0093-0	cdma2000 Network Performance Measurement Types v3.0	WG2
S.R0094-0	Rm Interface Enhancements v1.0	WG1
S.R0095-0	Support for ISIM on UICC v1.0	WG1
S.R0096-0	TrFO v1.0	WG1
S.R0097-0	PUBLISHED AS SC.R1001-0	WG3
S.P0098-0	RESCINDED - 2/17/05 - Functionality included in X.P0028	
S.R0099-0	PUBLISHED AS SC.R1002-0	WG3
S.R0100-0	System Requirements for PoC v1.0	WG1
S.R0101-0	IOTA DM Stage 1 v1.0	WG1
S.R0102-0	PUBLISHED AS SC.P2001-0	WG3
S.R0103-0	Network Firewall Configuration and Control Stage 1 v1.0	WG1
S.R0104-0	HAT Authentication System Requirements v1.0	WG1
S.R0105-0	Hotlining System Requirements v1.0	WG1
S.R0106-0	Packet Switched Video Telephony (PSVT) Stage 1 v2.0	WG1
S.P0107-0	RESCINDED - 4/20/05 - Unsponsored WI	
S.R0108-0	HRPD-cdma2000 1x Interworking System Requirements v2.0	WG1
S.S0109-0	General Bootstrapping Architecture (GBA) Stage 2/3 specification v2.0	WG4
S.S0109-A	General Bootstrapping Architecture (GBA) Stage 2/3 specification v1.0	WG4
S.S0110-0	Location Services Security Framework Report v1.0	WG4
S.R0111-0	Expanded R-UIM Identifier Stage 1 v2.0	WG1
S.R0112-0	General Bootstrapping Architecture (GBA) Stage 1 Requirements v1.0	WG1
S.R0113-0	Enhanced cdma2000 SRD v1.0	WG1
S.S0114-0	Security Mechanisms Using GBA v2.0	WG4
S.S0114-A	Security Mechanisms Using GBA v2.0	WG4
S.R0115-0	All-IP Emergency Call Support v1.0	WG1
S.P0116-0	PPP-Free Operation Stage 1 CANCELLED – 26 July 2007	WG1
S.R0117-0	Multimedia Priority Services Stage 1 v1.0	WG1
S.R0117-A	Multimedia Priority Services Stage 1 v1.0	WG1
S.R0118-0	Telephone Number Mapping (ENUM) Stage1 v1.0	WG1

PUBLISHED TSG-S SPECIFICATIONS AND REPORTS		
NUMBER	TITLE	RESP
S.R0121-0	3GPP2 Evolved Network SRD v1.0	WG1
S.P0119-0	Proximity Mobile Gateway Stage 1 – RESCINDED	WG1
S.R0122-0	Preferred Cryptographic Profiles v1.0	WG4
S.R0120-0	MMD Policy Enhancements SRD	WG1
S.R0123-0	Enhanced MMD Security Requirements Stage 1	WG1, WG4
S.R0124-0	UMB NAM v2.0	WG2
S.R0125-0	VoIP Supplementary Services Feature Descriptions	WG1
S.R0126-0	System Enhancements for Femto and Pico Cells SRD v1.0	WG1
S.S0127-0	CAVE based IMS Security v1.0	WG4
S.R0128-0	HRPD and WiMAX Inter-Technology Handoff Stage 1 Requirements	WG1
S.R0129-0	HRPD/1XRTT and 3GPP E-UTRAN (LTE) Interworking and Inter-Technology Handoff Stage 1 Requirements	WG1
S.R0129-A	HRPD/1XRTT and 3GPP E-UTRAN (LTE) Interworking and Inter-Technology Handoff Stage 1 Requirements	WG1
S.R0130-0	Interworking and Inter-Technology Handoff for UMB and UTRA/E-UTRA Technologies Stage 1 v1.0	WG1
S.R0131-0	IMS centralized Services Stage 1 v1.0	WG1
S.S0132-0	Femtocell Security Framework v1.0	WG4
S.P0133-0	Call Localization Management Stage 1 - RESCINDED	WG1
S.R0134-0	Evolution of Ultra Mobile Broadband SRD v1.0	WG1
S.R0135-0	Network Architecture Model for cdma2000 Femto-Cell Enabled Systems v1.0	WG2
S.R0136-0	System Requirements for MSC Pool v2.0	WG1
S.R0137-0	Common IMS Impact to 3GPP2 Specifications	WG2
S.R0138-0	eHRPD Security Framework v1.0	WG4
S.R0139-0	Femto Systems Overview	WG1
S.R0140-0	Study for Green Revised Energy Efficient Network (GREEN) Technology Initiatives for cdma2000 Wireless Networks v1.0	WG1
S.R0141-0	Study for Machine-to-Machine (M2M) Communication for cdma2000 Wireless Networks v1.0	WG1
S.R0142-0	Call-Back to an Emergency Call Origination (CECO) Stage 1 Requirements v1.0	WG1
S.R0143-0	System Requirements for Extended Cell HRPD (xHRPD) v1.0	WG1
S.R0144-0	1x Calling Party Number Presentation (CPNP) during CSFB and eCSFB Stage 1 v1.0	WG1
S.S0145-0	Advanced Security Framework for (e)HRPD v1.0	WG4

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<b>TSG-S PROJECTS IN DEVELOPMENT</b>		
<b>NUMBER</b>	<b>TITLE</b>	<b>RESP</b>
S.S0028-E	OAM&P Specification	WG2
S.R0076-0	Protocol Alignment Reference	WG3
S.R0146-0	Machine-to-Machine (M2M) Communication System Requirements Document	WG1
S.R0147-0	System Requirements for Unstructured Supplementary Services Data	WG1
S.R0148-0	Dynamic RAN Power Management Stage 1 Requirements	WG1
S.R0149-0	Remote Provisioning of MS Credentials Stage 1 Requirements	WG1

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3GPP2 QUORUM ROLL CALL							
TSG-S (Systems and Services Aspects)							
Ottawa, ON, Canada							
29-Jul-11							
INDIVIDUAL MEMBER COMPANY	Attendance	Attendance	Consec Mtgs Missed	Voting Status	Quorum Status	Voting Status	Quorum Status
	7/25/2011	7/29/2011	(incl this Mtg)	for this Mtg	for this Mtg	as of next Mtg*	as of next Mtg*
ALCATEL-LUCENT	1		0	1	1	1	1
AIRCELL	1		0	0	0	0	0
CHINA TELECOM	1		0	1	1	1	1
ERICSSON	1		0	1	1	1	1
GEMALTO	1		0	0	0	0	0
HITACHI	1		0	1	1	1	1
HUAWEI	1		0	1	1	1	1
KDDI	1		0	1	1	1	1
KYOCERA	1		0	1	1	1	1
LG U+	1		0	1	1	1	1
LIGHTSQUARED			3	0	0	0	0
MOTOROLA MOBILITY	1		0	1	1	1	1
MOTOROLA SOLUTIONS			2	1	1	1	1
NCS			3	0	0	0	0
NEC	1		0	1	1	1	1
NSN	1		0	0	0	0	0
QUALCOMM	1		0	1	1	1	1
RITCOE			1	0	0	0	0
RITT			2	1	1	1	1
SPRINT/NEXTEL	1		0	0	0	0	0
TELCORDIA			2	0	0	0	0
US CELLULAR			1	0	0	0	0
VERIZON WIRELESS			2	1	1	1	1
VIA TELECOM			3	0	0	0	0
ZTE	1		0	1	1	1	1
<b>TOTALS</b>	<b>12</b>	<b>0</b>		<b>15</b>	<b>15</b>	<b>15</b>	<b>15</b>
<b>QUORUM CALCULATION</b>	<b>80%</b>	<b>0%</b>					
<b>ADDITIONS</b>							
<b>OBSERVERS AND GUESTS</b>							
ARIB							
CDG	1						
TIA	1						

**QUORUM STATUS NOTES:**

- HIGHLIGHTED ZERO = Must attend 2 consecutive mtgs to be added to quorum list

- NON-HIGHLIGHTED ZERO = Will be added to quorum list next mtg if they attend

0 = Letter of Proxy in effect

\* assumes attendance at the next meeting