1   **Title:**

2   **APPROVED SUMMARY OF TSG-S MEETING**

3   **for 6-9 December 2010 in Oahu, HI, USA**

4   **Source:**

5   Clifton J. Barber

6   TSG-S SECRETARY

7

8   Representing KDDI
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15

16   **Abstract:**

17   This document is a summary of the 3GPP2 TSG-S meetings that were held during the period of
18   6-9 December 2010 in Oahu, HI, USA.

19

20   **Recommendations:**

21   For review and approval.

22

23   **Notice:**

36

1 During the period of 6-9 December 2010, 3GPP2 TSG-C meetings were held at the Hyatt Regency
2 Waikiki Hotel in Oahu, HI, USA.   This document is intended to summarize those proceedings.

3

4 **OPENING PLENARY**

5 1.   **CALL TO ORDER AND OPENING REMARKS:** The meeting was called to order on
6 Monday 6 December 2010 at 1:36 PM local time by TSG-S Chair, Nick Yamasaki (KDDI).

7 The Chair welcomed everyone to Oahu and asked that everyone introduce themselves.

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 still located at ftp://10.10.240.5.

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 (S00-20101206-000).

17 4.   **AGENDA APPROVAL:** The proposed agenda (S00-20101206-001) was presented.

18 The following events for the week were noted:

19 •   Joint TSG discussions on System Release 6 planning will be hosted by TSG-S WG3 on
20 Tuesday 7 December 2010 during the NOON to 1:00 PM time slot.

21 •   3GPP2 SC M2M Numbering AdHoc meeting will be held on Tuesday 7 December 2010
22 at 5:00 PM.

23 •   Joint TSG discussions regarding M2M architecture will be hosted by TSG-X on
24 Wednesday 8 December 2010 during the 8:30-9:30 AM time slot.

25 •   The 3GPP2 year-end reception will be held on Wednesday 8 December 2010 starting at
26 6:30 PM.

27 **DECISION: The agenda was approved without objection as submitted (S00-20101206-001).**

28 5.   **APPROVAL OF PREVIOUS MEETING SUMMARY:** The summary of the TSG-S meeting
29 for October 2010 that was held in Tampa, FL, USA (S00-20101206-002) was presented.
30 **DECISION: This meeting summary was approved without objection as modified by the**
31 **discussion (S00-20101206-002R1).**

1 6.   **REVIEW OF OUTSTANDING ACTIONS FROM PREVIOUS MEETING:** The action
2   items from the October 2010 face-to-face meeting were noted as follows:

3   101025-001   Correspondence to all TSGs dated 15 October 2010 regarding M2M Numbering
4   Input (S00-20101025-014) from the SC M2M Numbering AdHoc was remanded to all
5   WGs for review and comment with comments to be coordinated by WG1 by the closing
6   Plenary of the December 2010 meeting. This information may need to be updated after
7   the SC M2M Numbering AdHoc meeting on Tuesday 8 December 2010.

8   This action was held OPEN until the closing Plenary.

9   101025-002   WIs released for TSG Review in June 2010 (S00-20100621-103[C-F]) were
10   remanded to all WGs for review and comment. WG comments on these WIs should be
11   submitted as a part of the SC level review process.

12   **DECISION: This action was CLOSED without objection.**

13 101025-003   WIs released for TSG Review in September 2010 (S00-20100913-103[C-J]) were
14   remanded to all WGs for review and comment with comments to be coordinated by WG3
15   by the closing Plenary of the December 2010 meeting.

16   This action was held OPEN until the closing Plenary.

17 101025-004   Regarding the undated LS on X.oacms - overall aspects of countering messaging
18   spam in mobile networks from ITU-T SG17 (S00-20101025-016), WG4 comments will
19   be sent to the TSG-X Chair for incorporation in the TSG-X correspondence to ITU-T in
20   time to meet the 15 November 2010 comment due date.

21   **DECISION: This action was CLOSED without objection.**

22 **7.   CORRESPONDENCE AND LIAISON REPORTS:**

23   • **OP:** No contributions or discussion.

24   • **SC:** No contributions or discussion.

25   • **3GPP2 SECRETARIAT:** The following contributions were discussed:

26   • E-mail correspondences regarding SC level review and approval for S.R0117-A
27   v1.0 Multimedia Priority Service (MMPS) for MMD-based Networks Stage 1
28   Requirements (S00-20101206-013) was presented from the 3GPP2 Secretariat.
29   **ACTION: This contribution was remanded to WG1 as FYI.**

30   • E-mail correspondence dated 2 November 2010 regarding V&V review of
31   SC.P4001-0 v1.4 Global Wireless Equipment Numbering Administration
32   Procedures (S00-20101206-014) was presented from the 3GPP2 Secretariat.
33   **ACTION: This contribution was remanded to WG1 as FYI.**

34   • E-mail correspondence dated 2 November 2010 regarding V&V review of
35   S.P0140 v0.11 Study for Green Revised Energy Efficient Network (GREEN)
36   Technology Initiatives for cdma2000 Wireless Networks (S00-20101206-015)
37   was presented from the 3GPP2 Secretariat. **ACTION: This contribution was**
38   **remanded to WG1 as FYI.**

- E-mail correspondence dated 2 November 2010 regarding V&V review of S.P0141 0 v0.15 Study for Machine-to-Machine (M2M) Communication for cdma2000 Networks (S00-20101206-016) was presented from the 3GPP2 Secretariat. **ACTION: This contribution was remanded to WG1 as FYI.**

- E-mail correspondence dated 3 November 2010 regarding SC level review of six (6) WIs (S00-20101206-017) was presented from the 3GPP2 Secretariat. **ACTION: This contribution was remanded to WG3 as FYI.**

- E-mail correspondence dated 10 November 2010 regarding SC approval of 3GPP2-00260: R-UIM Field Ordering, R-UIM Commands, Initialization and Bug Fixes (S00-20101206-018) was presented from the 3GPP2 Secretariat. **ACTION: This contribution was remanded to WG3 as FYI.**

- MEID Administration Report for the period ending 31 August 2010 (S00-20101206-019) was presented from the 3GPP2 Secretariat. **ACTION: This contribution was remanded to WG1 as FYI.**

- 3GPP2 Workplan files for December 2010 (S00-20101206-034) was presented from the 3GPP2 PMT Coordinator. **ACTION: This contribution was remanded to all WGs for review and comment with comments to be coordinated by WG3.**

- UIM Administration Report for the period ending 31 August 2010 (S00-20101206-036) was presented from the 3GPP2 Secretariat. **ACTION: This contribution was remanded to WG1 as FYI.**

- **TSG-A:** The following contributions were discussed:

  - Correspondence dated 28 October 2010 regarding TSG-A Work Item, Stage 1, LS, and SC Documents for Review (S00-20101206-010) was presented from TSG-A. **ACTION: This contribution was remanded to WG3 for review and action as appropriate and FYI to WG1.**

  - Correspondence to the Metro Ethernet Forum dated 28 October 2010 regarding MEF 22.1 Mobile Backhaul Implementation Agreement Phase 2 initial draft (S00-20101206-011) was presented from TSG-A as FYI for TSG-S.

- **TSG-C:** The following contributions were discussed:

  - TSG-C Liaison Report for October 2010 (S00-20101206-003) was presented from the TSG-C Liaison as FYI for TSG-S. **ACTION: Attachments A through C were remanded to WG3 for review and action as appropriate.**

  - Correspondence dated 29 October 2010 regarding SRG Work Item and Document association (S00-20101206-004) was presented from TSG-C. **ACTION: This contribution was remanded to WG3 for review and action as appropriate.**

- Correspondence to the 3GPP2 PMT Coordinator dated 29 October 2010 regarding Workplan Questions (S00-20101206-005) was presented from TSG-C. **ACTION: This contribution was remanded to WG3 for review and action as appropriate.**

- Correspondence to TIA TR45.5 dated 29 October 2010 regarding proposed changes to Assignment of Access Overload Classes in Cellular Telecommunications (S00-20101206-006) was presented from TSG-C. **ACTION: This contribution was remanded to WG1 as FYI.**

- Correspondence to TSG-A dated 29 October 2010 regarding RAN support for EVRC-NW, SO 73 (0049H) (S00-20101206-007) was presented from TSG-C. **ACTION: This contribution was remanded to WG1 as FYI.**

- E-mail correspondence dated 14 November 2010 regarding TSG-C WIs from the interim Plenary on 3 August 2010 (S00-20101206-008) was presented from the TSG-C Secretary. **ACTION: This contribution was remanded to WG3 for review and action as appropriate.**

- E-mail correspondence dated 16 November 2010 regarding TSG-C WI TSGC-111 (S00-20101206-009) was presented from the TSG-C Secretary. **ACTION: This contribution was remanded to WG3 for review and action as appropriate.**

- **TSG-X:** Correspondence dated 29 October 2010 regarding new WI from TSG-X (S00-20101206-012) was presented from TSG-X. **ACTION: This contribution was remanded to WG3 for review and action as appropriate.**

- **TIA:** The following contributions were discussed:

  - Correspondence dated 29 November 2010 regarding TIA ballot comments on S.P0140-0 v0.11 Study for Green Revised Energy Efficient Network (GREEN) Technology Initiatives for cdma2000 Wireless Networks (S00-20101206-026) was presented from TIA TR45.8. **ACTION: This contribution was remanded to WG1 for review and action as appropriate.**

  - Correspondence dated 29 November 2010 regarding TIA ballot comments on S.P0141-0 v0.15 Study for Machine-to-Machine (M2M) Communication for cdma2000 Networks (S00-20101206-027) was presented from TIA TR45.8. **ACTION: This contribution was remanded to WG1 for review and action as appropriate.**

  - E-mail correspondence dated 12 November 2010 regarding missing scope in S.R0143-0 Extended Cell High Rate Packet Data (xHRPD) SRD (S00-20101206-028) was presented from TIA TR45.8. **ACTION: This contribution was remanded to WG1 as FYI.**

- **ITU:** No contributions or discussion.

- **3GPP:** No contributions or discussion.

1   •   **3GPP TSG-SA5 and T1M1:** No contributions or discussion.

2   •   **IEEE or WiFi Alliance:** No contributions or discussion.

3   •   **OMA:** No contributions or discussion.

4   •   **CDG:** No contributions or discussion.

5   •   **FEMTO FORUM:** No contributions or discussion.

6   •   **Other:** No contributions or discussion.

7   8.   **NEW/OLD BUSINESS:** The following letters of nomination and support for candidates for
8   TSG-S Leadership positions for the next term were held OPEN until the closing Plenary:

9   •   Nick Yamazaki (KDDI)   TSG-S Chair   S00-20101206-033

10   •   Wang Yuezhen (China Telecom)   TSG-S Vice-Chair   C00-20101206-030

11   •   Jane Brownley (Alcatel-Lucent)   TSG-S Vice-Chair   C00-20101206-031

12   •   Yeonsang Koo (LG U+)   TSG-S Vice-Chair   C00-20101206-035

13   All letters of support for TSG-S Leadership positions above were noted as FYI for TSG-C.

14   Any additional persons wishing to be nominated for TSG-S Leadership positions for the next
15   term must submit their letters of support prior to the elections at the closing Plenary on Thursday
16   8 December 2010.

17   9.   **WORKING GROUP AND ADHOC BUSINESS:**

18   •   **WG1 REQUIREMENTS:** The following contributions were discussed:

19   •   The report on WG1 conference call on 17 November 2010 (S00-20101206-032)
20   was presented from the WG1 Chair as FYI for TSG-S.

21   The TSG-S Chair thanked the WG1 for his leadership for the Femto System
22   Overview and the two (2) Study Reports.

23   •   V&V comments regarding S.P0140-0 GREEN Study Report (S00-20101206-029)
24   was presented from KDDI. **ACTION: This contribution was remanded to**
25   **WG1 for review and action as appropriate.**

26   •   Draft text for S.R0139-0 v0.5 Section 5.10.0 Interference Management in Femto
27   Systems Overview for cdma2000 Wireless Communications Systems re: femto
28   interference for adjacent frequency bands (S00-20101206-038) was presented
29   from Aircell.

30   Zheng Zhao (Verizon) noted that three (3) US operators are affected including
31   Verizon, US Cellular, and an Alaskan operator. However, this is not a standards
32   issue but is more a deployment/operational issue.

33   **ACTION: This contribution was remanded to WG1 for review and action as**
34   **appropriate.**

1   •   **WG2 ARCHITECTURE AND OAM&P:** No contributions or discussion.

2   •   **WG3 PMT:** The following contributions were discussed:

3   •   Correspondence to all TSGs dated 12 November 2010 regarding release of WIs
4   for TSG Review (S00-20101206-021) was presented from WG3. **ACTION:**
5   **This contribution was remanded to all WGs for review and comment with**
6   **comments to be coordinated by WG3.**

7   •   Correspondence to all TSGs dated 17 November 2010 regarding Sunset Review
8   of SC.P2006-002-0 v0.27 System Release Guide for Release 6 of the cdma2000
9   System Specifications (S00-20101206-022) was presented from WG3.
10   **ACTION: This contribution was remanded to all WGs for review and**
11   **comment with comments to be coordinated by WG3.**

12   •   Correspondence to the 3GPP2 SC Chair dated 18 November 2010 regarding
13   Updated TSG-S Recommendations for 3GPP2 System Release 6 (S00-20101206-
14   023) was presented from WG3 as FYI for TSG-S.

15   •   Correspondence to all TSGs dated 1 December 2010 regarding release of WIs for
16   TSG Review (S00-20101206-024R1) was presented from WG3. **ACTION: This**
17   **contribution was remanded to all WGs for review and comment with**
18   **comments to be coordinated by WG3.**

19   •   A draft of a new WI worksheet tracking table (S00-20101206-037) was presented
20   from WG3 as FYI for TSG-S.

21   •   **WG4 SECURITY:** The following contributions were discussed:

22   •   E-mail correspondence to all TSGs dated 15 November 2010 regarding review the
23   proposed 3GPP2 updates to ITU-T security standards (S00-20101206-020) was
24   presented from WG4. **ACTION: This contribution was remanded to WG1**
25   **for review and action as appropriate.**

26   •   E-mail correspondence to TSG-X dated 15 November 2010 regarding TSG-S
27   WG4 comments on ITU-T LS on messaging spam (S00-20101206-025) was
28   presented from WG4 as FYI for TSG-S.

29   •   **3GPP2 VISION ADHOC:** No contributions or discussion.

30 This session was recessed on 6 December 2010 at 3:19 PM local time.

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34 **CLOSING PLENARY**

35 The meeting was reconvened on Thursday 9 December 2010 at 1:34 PM local time by TSG-S Chair,
36 Nick Yamasaki (KDDI).

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

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

4 The Chair asked if there were any other candidate nominations for TSG-S Leadership positions for the
5 next term. No additional nominations were noted. The nomination period was declared CLOSED.

6 **DECISION: The following TSG-S Elected Leadership Team was approved without objection for**
7 **the 2011-2012 term:**

8 •   **TSG-S Chair**   **Nick Yamazaki (KDDI)**

9 •   **TSG-S Vice-Chair**   **Yuezhen Wang (China Telecom)**

10 •   **TSG-S Vice-Chair**   **Jane Brownley (Alcatel-Lucent)**

11 •   **TSG-S Vice-Chair**   **Yeonsang Koo (LG U+)**

12 The Chair thanked Eileen McGrath for her years of service as the PMT Chair and, on behalf of the TSG,
13 wished her the best of luck in her future endeavors. He noted a plaque of appreciation which would be
14 delivered to her for contributions to TSG-S.

15 **DECISION: Clif Barber (KDDI) was appointed as the new Chair of TSG-S WG3.**

16 **10.**   **WORKING GROUP REPORTS:**

17 •   **WG1 REPORT:** The WG1 report (S00-20101206-101R1) was presented by WG1 Chair,
18   Alex Gogic (Qualcomm), as FYI.

19   •   Documents being recommended for publication:
20   •   S.P0140-0 Green Revised Energy Efficient Networks (GREEN) Study
21   Report
22   •   S.P0141-0 Machine-to Machine (M2M) Communication Study Report
23   •   SC.P4001-0 Global Wireless Equipment Numbering Administration
24   Procedures

25   •   Documents being recommended for V&V review: NONE

26   •   Documents being recommended for TSG review: NONE

27   •   Progressed the development of the following:
28   •   Femtocells and Picocells
29   •   M2M Communication
30   •   GREEN Technology Initiative
31   •   Multi-Media Priority Services
32   •   Equipment Numbering Issues

33   •   The TSG Review schedule for S.P0139 Femto System Overview has been
34   deferred to January 2011 to allow time for offline harmonization of adjacent band
35   interference issues.

1 • TSG-S will use 2-business day electronic Plenary approval processes to approve
2 Stage 1 documents when Plenary actions are required during interim periods. The
3 WG1 Chair must synchronize this process with TIA TR45.8.

4 • WG1 will host a joint TSG meeting related to Machine-to-Machine (M2M)
5 Communication System Requirements Document on Monday 24 January 2010
6 during the 5:00-7:00 PM local time slot in Seattle, WA.

7 • WG1 has scheduled an interim call using GoToMeeting for 11 January 2011
8 starting at 8:00 PM US east coast time to address the following:
9 • TSG comments regarding S.P0144 1x Calling Party Number Presentation
10 (CPNP) during CSFB and eCSFB Stage 1
11 • S.P0139 Femto System Overview

12 **DECISION: S.P0140-0 v0.12 GREEN Study (S00-20101206-113R1) was approved**
13 **without objection for publication as S.R0140-0 v1.0.**

14 **DECISION: S.P0140-0 V&V Comment Disposition Record (S00-20101206-114) was**
15 **approved without objection.**

16 **DECISION: Proposed correspondence to TIA TR45.8 regarding S.P0140-0 V&V**
17 **Comment Resolution (S00-20101206-115) was approved without objection for**
18 **transmission with S00-20101206-113R1 and S00-20101206-114 attached.**

19 **DECISION: S.P0141-0 v0.16 M2M Communication Study (S00-20101206-**
20 **116R2/AR1) was approved without objection for publication as S.R0141-0 v1.0.**

21 **DECISION: S.P0141-0 V&V Comment Disposition Record (S00-20101206-117) was**
22 **approved without objection.**

23 **DECISION: Proposed correspondence to TIA TR45.8 on S.P0141-0 V&V**
24 **Comment Resolution (S00-20101206-118) was approved without objection for**
25 **transmission with S00-20101206-116R2/AR1 and S00-20101206-117 attached.**

26 **DECISION: Proposed correspondence to all TSGs regarding M2M SRD**
27 **Development (S00-20101206-120) was approved without objection for transmission.**

28 **DECISION: Proposed correspondence to the SC M2M Numbering AdHoc**
29 **regarding M2M Numbering Input (S00-20101206-121) was approved without**
30 **objection for transmission. ACTION 101025-001 was CLOSED.**

31 **DECISION: S.R0146-0 was approved without objection for use as Machine-to-**
32 **Machine (M2M) Communication System Requirements Document.**

33 **DECISION: SC.P4001-0 Global Wireless Equipment Numbering Administration**
34 **Procedures (S00-20101206-119R1) was approved without objection for publication**
35 **as SC.R4001-0 v2.0.**

36 **ACTION: The WG1 Development Schedule (S00-20101206-101A) was remanded to**
37 **WG3 and the PMT Coordinator for review and action as appropriate.**

1 • **WG2 REPORT:** The WG2 report (S00-20101206-102) was presented by WG2 Chair,
2 Scott Marin (Motorola), as FYI.

3 • Documents being recommended for publication: NONE

4 • Documents being recommended for V&V review: NONE

5 • Documents being recommended for TSG review: NONE

6 • WG2 has decided to cancel planned work on S.S0093 v4.0 Network Performance
7 Measurement Types

8 • WG2 is planning to start work on an update to the Femto NAM

9 • Pending architectural consensus in the all-TSG M2M discussions hosted by
10 TSG-X, WG2 work may soon start on a M2M NAM or an update to ALLIP NAM
11 to incorporate M2M entities.

12 **ACTION: The WG2 work schedule (S00-20101025-102A) and response to open**
13 **work plan questions (S00-20101206-102B) were remanded to WG3 for review and**
14 **action as appropriate.**

15 No additional actions were requested from the Plenary at this time.

16 • **WG3 REPORT:** The WG3 Report (S00-20101206-103R1) was presented by WG3
17 Chair, Clif Barber (KDDI), as FYI.

18 **DECISION: The following WI(s) were approved without objection for TSG review**
19 **processing by the 3GPP2 Secretariat and to be copied to all TSGs:**

20 • **NONE**

21 **DECISION: The following WIs were approved without objection for SC level**
22 **review as coordinated by the 3GPP2 PMT Coordinator:**

23 • **NONE**

24 **DECISION: The 3GPP2 WI Tracking List dated 9 December 2010 (S00-20101206-**
25 **103AR1) was approved without objection for distribution as an attachment to the**
26 **TSG-S Liaison Report.**

27 **DECISION: SC.P2006-002-0 v0.28 System Release Guide for Release 6 – working**
28 **text (S00-20101206-111) was approved without objection for internal 3GPP2**
29 **distribution.**

30 **DECISION: Proposed correspondence to all TSGs regarding results of Sunset**
31 **Review of SC.P2006-002-0 System Release Guide for Release 6 on 7 December 2010**
32 **(S00-20101206-112R1) was approved without objection for transmission with S00-**
33 **20101206-111 attached. ACTION: This contribution was remanded to all WGs for**
34 **review and action as appropriate.**

35 • **WG4 REPORT:** The WG4 report (S00-20101206-104) was presented by WG4 Chair,
36 Anand Palanigounder (Qualcomm), as FYI.

37 • Documents being recommended for publication: NONE

1   •   Documents being recommended for V&V review: NONE

2   •   Documents being recommended for TSG review: NONE

3   •   Progressed the development of the following:

4   •   Femtocell Security: TGS-A requested WG4 to evaluate a method for
5   handling global RANDs in 1x IOS FAPs. The discussions on this method
6   in WG4 are on-going.

7   •   Advanced Security Framework for (e)HRPD (S.P0145): Met with TSG-C
8   WG2.3 to resolve the R&F comments on Air-interface Application Layer
9   Security (C.P0102-0).

10   •   Proposed 3GPP2 updates to ITU-T security standards roadmap: Worked
11   with other TSGs to prepare proposed 3GPP2 updates to ITU-T security
12   standards per TIA request.

13   •   WG4 has scheduled an interim call using GoToMeeting on 13 January 2011 at
14   7:00 PM US east coast time.

15   **DECISION: Proposed correspondence to TIA regarding 3GPP2 updates ITU-T**
16   **Security Standards (S00-20101206-110) was approved without objection for**
17   **transmission with tis attachment.**

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

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

20   •   **OP:** No contributions or discussions.

21   •   **SC:** No contributions or discussions.

22   •   **3GPP2 SECRETARIAT:** E-mail correspondence dated 9 December 2010 regarding SC
23   level approval of six (6) work items (S00-20101206-109) was presented from the PMT
24   Coordinator. **ACTION: This contribution was remanded to WG3 as FYI.**

25   •   **TSG-A:** Correspondence to TSG-S WG4 dated 8 December 2010 regarding TSG-A
26   email correspondence to TSG-S WG4 on 1x IOS Femtocells (S00-20101206-108) was
27   presented from TSG-A. **ACTION: This contribution was remanded to WG4 for**
28   **review and action as appropriate.**

29   •   **TSG-C:** No contributions or discussions.

30   •   **TSG-X:** No contributions or discussions.

31   •   **TIA:** No contributions or discussions.

32   •   **ITU:** An LS to ITU-R WP5D, ITU-T SGs 12, 15, and 16, and external organizations
33   dated 7 December 2010 regarding Quality of Service Requirements and Objectives for
34   Wireless Access Systems (S00-20101206-107) was presented from ITU-R WP5A.
35   **ACTION: This contribution was remanded to WG1 for review and action as**
36   **appropriate with the understanding the TSG-C will take the lead on this issue.**

1   • **3GPP:** An LS dated 19 November 2010 regarding Spurious Emissions Requirements of
2   3GPP for Band 2 (PCS Band) (S00-20101206-106) was presented from 3GPP RAN4 as
3   FYI for TSG-S.

4   • **3GPP TSG-SA5 and T1M1:** No contributions or discussions.

5   • **IEEE or WiFi Alliance:** No contributions or discussions.

6   • **OMA:** No contributions or discussions.

7   • **CDG:** No contributions or discussions.

8   • **FEMTO FORUM:** No contributions or discussions.

9   • **OTHER:** No contributions or discussions.

10   12.   **NEW BUSINESS (continued):** No contributions or discussions.

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

12   • The TSG-S Document Status Table (S00-20101206-100) was presented. **DECISION:**
13   **This contribution was approved without objection for distribution as modified by**
14   **the discussion (S00-20101206-100R1) 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 14 December**
18   **2010.**

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

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

24-27 January 2011	Fairmont Olympic in Seattle, WA, USA
28-31 March 2011	Korea
23-26 May 2011	North America

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

24   NONE

25   The Plenary was adjourned on 9 December 2010 at 3:42 PM local time.

NUMBER	SUBJECT	SOURCE	ACTION
OPENING PLENARY – S00-20101206-			
000	DOCUMENT REGISTER	SECRETARY	FYI
001	AGENDA	CHAIR	APPROVED
002	TSG-S Meeting Summary – October 2010 – Tampa, FL, USA	SECRETARY	APPROVED R1
003	TSG-C Liaison Report – October 2010 – Tampa, FL, USA	TSG-C LIAISON	FYI
004	Correspondence to TSG-S dated 29 October 2010 regarding SRG Work Item and Document association	TSG-C	WG3
005	Correspondence to the 3GPP2 PMT Coordinator dated 29 October 2010 regarding Workplan Questions	TSG-C	WG3
006	Correspondence to TIA TR45.5 dated 29 October 2010 regarding proposed changes to Assignment of Access Overload Classes in Cellular Telecommunications	TSG-C	WG1
007	Correspondence to TSG-A dated 29 October 2010 regarding RAN support for EVRC-NW, SO 73 (0049H)	TSG-C	WG1
008	E-mail correspondence dated 14 November 2010 regarding TSG-C WIs from the interim Plenary on 3 August 2010	TSG-C SECRETARY	WG3
009	E-mail correspondence dated 16 November 2010 regarding TSG-C WI TSG-111	TSG-C SECRETARY	WG3
010	Correspondence dated 28 October 2010 regarding TSG-A Work Item, Stage 1, LS, and SC Documents for Review	TSG-A	WG1, WG3
011	Correspondence to the Metro Ethernet Forum dated 28 October 2010 regarding MEF 22.1 Mobile Backhaul Implementation Agreement Phase 2 initial draft	TSG-A	FYI
012	Correspondence dated 29 October 2010 regarding new WI from TSG-X	TSG-X	WG3

013	E-mail correspondences regarding SC level review and approval for S.R0117-A v1.0 Multimedia Priority Service (MMPS) for MMD-based Networks Stage 1 Requirements	3GPP2 SECRETARIAT	WG1
014	E-mail correspondence dated 2 November 2010 regarding V&V review of SC.P4001-0 v1.4 Global Wireless Equipment Numbering Administration Procedures	3GPP2 SECRETARIAT	WG1
015	E-mail correspondence dated 2 November 2010 regarding V&V review of S.P0140 v0.11 Study for Green Revised Energy Efficient Network (GREEN) Technology Initiatives for cdma2000 Wireless Networks	3GPP2 SECRETARIAT	WG1
016	E-mail correspondence dated 2 November 2010 regarding V&V review of S.P0141-0 v0.15 Study for Machine-to-Machine (M2M) Communication for cdma2000 Networks	3GPP2 SECRETARIAT	WG1
017	E-mail correspondence dated 3 November 2010 regarding SC level review of six (6) WIs	3GPP2 SECRETARIAT	WG3
018	E-mail correspondence dated 10 November 2010 regarding SC approval of 3GPP2-00260: R-UIM Field Ordering, R-UIM Commands, Initialization and Bug	3GPP2 SECRETARIAT	WG3
019	MEID Administration Report – 31 August 2010	3GPP2 SECRETARIAT	WG1
020	E-mail correspondence to all TSGs dated 15 November 2010 regarding review the proposed 3GPP2 updates to ITU-T security standards	WG4	WG1
021	Correspondence to all TSGs dated 12 November 2010 regarding release of WIs for TSG Review	WG3	**WG3** ALL WGs
022	Correspondence to all TSGs dated 17 November 2010 regarding Sunset Review of SC.P2006-002-0 v0.27 System Release Guide for Release 6 of the cdma2000 System Specifications	WG3	**WG3** ALL WGs

023	Correspondence to the 3GPP2 SC Chair dated 18 November 2010 regarding Updated TSG-S Recommendations for 3GPP2 System Release 6	WG3	FYI
024	Correspondence to all TSGs dated 1 December 2010 regarding release of WIs for TSG Review	WG3	**WG3** ALL WGs
025	E-mail correspondence to TSG-X dated 15 November 2010 regarding TSG-S WG4 comments on ITU-T LS on messaging spam	WG4	FYI
026	Correspondence dated 29 November 2010 regarding TIA ballot comments on S.P0140 v0.11 Study for Green Revised Energy Efficient Network (GREEN) Technology Initiatives for cdma2000 Wireless Networks	TIA TR45.8	WG1
027	Correspondence dated 29 November 2010 regarding TIA ballot comments on S.P0141 0 v0.15 Study for Machine-to-Machine (M2M) Communication for cdma2000 Networks	TIA TR45.8	WG1
028	E-mail correspondence dated 12 November 2010 regarding missing scope in S.R0143-0 Extended Cell High Rate Packet Data (xHRPD) SRD	TIA TR45.8	WG1
029	V&V comments regarding S.P0140-0 GREEN Study Report	KDDI	WG1
030	Letter of nomination and support for Wang Yuezhen as Vice-Chair of 3GPP2 TSG-S	CHINA TELECOM	FYI
031	Letter of nomination and support for Jane Brownley as Vice-Chair of 3GPP2 TSG-S	ALCATEL-LUCENT	FYI
032	Report on WG1 conference call on 17 November 2010	WG1 CHAIR	FYI
033	Letter of nomination and support for Nick Yamasaki as Chair of 3GPP2 TSG-S	KDDI	FYI

034	3GPP2 Workplan files – December 2010	3GPP2 PMT COORDINATOR	**WG3** ALL WGs
035	Letter of nomination and support for Yeonsang Koo as Vice-Chair of 3GPP2 TSG-S	LQ U+	FYI
036	UIM Administration Report – 31 August 2010	3GPP2 SECRETARIAT	WG1
037	Draft WI worksheet tracking table	WG3 VICE-CHAIR	FYI
038	Draft text for S.R0139-0 v0.5 Section 5.10.0 Interference Management in Femto Systems Overview for cdma2000 Wireless Communications Systems re: femto interference for adjacent frequency bands	AIRCELL	WG1
CLOSING PLENARY – S00-20101206-			
101	WG1 Report	WG1	FYI
102	WG2 Report	WG2	FYI
103	WG3 Report	WG3	FYI Specific Attachments APPROVED AR1
104	WG4 Report	WG4	FYI
105	3GPP2 Vision AdHoc Report	3GPP2 VISION ADHOC	DID NOT MEET
106	LS dated 19 November 2010 regarding Spurious Emissions Requirements of 3GPP for Band 2 (PCS Band)	3GPP RAN4	FYI
107	LS to ITU-R WP5D, ITU-T SGs 12, 15, and 16, and external organizations dated 7 December 2010 regarding Quality of Service Requirements and Objectives for Wireless Access Systems	ITU-R WP5A	WG1

108	Correspondence to TSG-S WG4 dated 8 December 2010 regarding TSG-A email correspondence to TSG-S WG4 on 1x IOS Femtocells	TSG-A	WG4
109	E-mail correspondence dated 9 December 2010 regarding SC level approval of six (6) work items	3GPP2 PMT COORDINATOR	WG3
110	Proposed correspondence to TIA regarding 3GPP2 updates ITU-T Security Standards	WG4	APPROVED
111	SC.P2006-002-0 v0.28 System Release Guide for Release 6 – working text	WG3	APPROVED
112	Proposed correspondence to all TSGs regarding results of Sunset Review of SC.P2006-002-0 System Release Guide for Release 6 on 7 December 2010	WG3	APPROVED R1
113	S.P0140-0 v0.12 GREEN Study Proposed Publication Text	WG1	APPROVED R1
114	S.P0140-0 V&V Comment Disposition Record	WG1	APPROVED
115	Proposed correspondence to TIA TR45.8 on S.P0140-0 V&V Comment Resolution	WG1	APPROVED
116	S.P0141-0 v0.16 M2M Communication Study Proposed Publication Text	WG1	APPROVED R2/AR1
117	S.P0141-0 V&V Comment Disposition Record	WG1	APPROVED
118	Proposed correspondence to TIA TR45.8 on S.P0141-0 V&V Comment Resolution	WG1	APPROVED
119	SC.P4001-0 Global Wireless Equipment Numbering Administration Procedures Proposed Publication Text	WG1	APPROVED R1
120	Proposed correspondence to all TSGs regarding M2M SRD Development	WG1	APPROVED
121	Proposed correspondence the SC M2M Numbering AdHoc RE M2M Numbering Input	WG1	APPROVED

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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.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

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TSG-S PROJECTS IN DEVELOPMENT		
NUMBER	**TITLE**	**RESP**
S.P0028-E	OAM&P Specification	WG2
S.P0076-0	Protocol Alignment Reference	WG3
S.P0139-0	Femto Systems Overview	WG1
S.P0144-0	1x Calling Party Number Presentation (CPNP) during CSFB and eCSFB Stage 1	WG1
S.P0145-0	Advanced Security Framework for (e)HRPD	WG4
S.P0146-0	Machine-to-Machine (M2M) Communication System Requirements Document	WG1

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3GPP2 QUORUM ROLL CALL
TSG-S (Systems and Services Aspects)
Oahu, HI, USA
9-Dec-10

INDIVIDUAL MEMBER COMPANY	Attendance	Attendance	Consec Mtgs Missed	Voting Status	Quorum Status	Voting Status	Quorum Status
	12/6/2010	12/9/2010	(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			3	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
LGE			3	0	0	0	0
LG U+			1	1	1	1	1
LIGHTSQUARED			3	0	0	0	0
MOTOROLA	1		0	1	1	1	1
NCS			1	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			3	0	0	0	0
RITT			2	1	0	1	0
SPRINT/NEXTEL			3	1	1	1	1
TATARA SYSTEMS			2	1	1	1	1
TELCORDIA			1	0	0	0	0
VERIZON WIRELESS	1		0	1	1	1	1
VIA TELECOM			2	0	0	0	0
ZTE	1		0	1	1	1	1
TOTALS	**12**	**0**		**16**	**15**	**16**	**15**
QUORUM CALCULATION	**80%**	**0%**					
ADDITIONS							
OBSERVERS AND GUESTS							
ARIB	1						
CDG							
COMMFLOW RESOURCES		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**

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