

1 **Title:**

2 **APPROVED SUMMARY OF TSG-S MEETING**
3 **for 7-10 December 2009 in Maui, HI, USA**4 **Source:**

5

| | |
|---|---|
| Clifton J. Barber TSG-S SECRETARY Representing KDDI CJ Barber Consulting Services 3028 Saint Andrews Court Jonesboro, GA 30236 USA (770) 210-2988 (770) 456-4099 fax cbarber@cjbarberconsulting.com | Eileen McGrath ACTING SECRETARY/ON-SITE SCRIBE Representing NEC 2129 21st Street Santa Monica, CA 90405 USA (424) 216-4106 eileen.mcgrath@mac.com |
|---|---|

6

7 **Abstract:**

8 This document is a summary of the 3GPP2 TSG-S meetings that were held during the period of
9 7-10 December 2009 in Maui, HI, USA.

10

11 **Recommendations:**

12 For review and approval.

13

14 **Notice:**

15 © 2009 3GPP2

16 KDDI and NEC grant a free, irrevocable license to 3GPP2 and its Organizational Partners to incorporate text or other copyrightable
17 material contained in the contribution and any modifications thereof in the creation of 3GPP2 publications; to copyright and sell in
18 Organizational Partner's name any Organizational Partner's standards publication even though it may include all or portions of this
19 contribution; and at the Organizational Partner's sole discretion to permit others to reproduce in whole or in part such contribution or
20 the resulting Organizational Partner's standards publication. KDDI and NEC are also willing to grant licenses under such contributor
21 copyrights to third parties on reasonable, non-discriminatory terms and conditions for purpose of practicing an Organizational Partner's
22 standard which incorporates this contribution.23 This document has been prepared by KDDI and NEC to assist the development of specifications by 3GPP2. It is proposed to the
24 Committee as a basis for discussion and is not to be construed as a binding proposal on KDDI or NEC. KDDI and NEC specifically reserve
25 the right to amend or modify the material contained herein and to any intellectual property of KDDI and NEC other than provided in the
26 copyright statement above.

27

1 During the period of 7-10 December 2009, 3GPP2 TSG-C meetings were held at the Grand Wailea Hotel
2 in Maui, 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 Monday
6 7 December 2009 at 1:35 PM local time by TSG-S Chair, Nick Yamasaki (KDDI).

7 The Chair welcomed everyone to Maui.

8 The Chair advised the TSG of the successful workshop held last month in Mumbai, India and
9 noted the excellent presentations from the local participants. The input from the workshop
10 was summarized to the SC interim conference call last week and has been remanded to all TSGs
11 this week for review and analysis for specific work activity in 3GPP2.

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

13 2. **ATTENDANCE REGISTRATION AND ROLL CALL:** A roll call of companies indicated that 10
14 companies included on the list of 14 active quorum members were present (71% participation).
15 Thus, meeting quorum was achieved.

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

17 3. **INTRODUCTION AND NUMBERING OF CONTRIBUTIONS:** Contributions were loaded onto the
18 3GPP2 LAN server and listed in the document register (S00-20091207-000).

19 4. **AGENDA APPROVAL:** The proposed agenda (S00-20091207-001) was presented.

20 The following events for the week were noted:

- 21 • Joint TSG discussions regarding UIM ID issues will be hosted by TSG-S on Monday
22 7 December 2009 during the 4:00-6:00 PM timeframe.
- 23 • Joint TSG review for SC.P1005-A v0.7 3GPP2 Drafting Rules will be hosted by TSG-S WG3
24 on Tuesday 8 December 2009 during the NOON-1:00 PM timeframe.
- 25 • 3GPP2 Member Appreciation Reception will be held on Wednesday 9 December 2009
26 during the 5:30-7:30 PM timeframe.

27 **DECISION: The agenda was approved without objection as submitted (S00-20091207-001).**

28 5. **APPROVAL OF PREVIOUS MEETING SUMMARY:** TSG-C Meeting Summary for November 2009
29 in Mumbai, India (C00-20091207-002) was presented.

30 **DECISION: This meeting summary was approved without objection as submitted (C00-**
31 **20091207-002).**

1 6. **REVIEW OF OUTSTANDING ACTIONS FROM PREVIOUS MEETING:** The action items from the
2 November 2009 face-to-face meeting were noted as follows:

3 091102-001 E-mail correspondence to multiple recipients dated 3 November 2009 regarding
4 Request to complete of the PAP#2 Wireless Characterization Matrix for Smart Grid
5 Applications (S00-20091102-110) was presented from IEEE 802.11. 3GPP2 response is
6 being coordinated by TSG-C and TSG-S comments must be received by TSG-C no later
7 than COB on Tuesday 1 December 2009 (BEFORE the Maui meeting). This contribution
8 was remanded to WG4 for review and action as appropriate with comments to be
9 forwarded to TSG-C on or before Tuesday 1 December 2009.

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

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

- 12 • OP: No contributions or discussion.
- 13 • SC: The following contributions were discussed:
 - 14 • Meeting summary for 3GPP2 SC/OP meetings in Mumbai plus unofficial
15 executive summary (S00-20091207-018) was presented from the 3GPP2
16 Secretariat and the TSG-C Secretary respectively as FYI for TSG-S.
 - 17 • The Consolidated Summary of Issues of Concern to the Indian Market (S00-
18 20091207-024) was presented as remanded to all TSGs from the 3GPP2 SC. The
19 requested action plan was noted as follows:
 - 20 • TSGs should identify the Issues of Concern that could be covered within
21 their scope and charter if an appropriate WI were approved. This action
22 should be returned to the 3GPP2 Workshop Planning Team ([workshop-
23 chair@3gpp2.org](mailto:workshop-chair@3gpp2.org)) no later than their closing Plenary January 2010
24 meeting in Bangkok.
 - 25 • Each TSG should also provide a representative to attend a follow-up
26 conference call with the 3GPP2 Workshop Planning Team to be
27 scheduled during the week of 4 February 2010. The purpose of this
28 meeting will be to review the TSG responses and identify any of the
29 Issues of Concern that cannot be covered in any of the TSGs.
 - 30 • If “actionable but unclaimed” issues do exist, the TSGs will be requested
31 to review them in their March 2010 meetings in Denver and to update
32 the list of issues that they could address if necessary as an output of the
33 Denver meeting.
 - 34 • The 3GPP2 Workshop Planning Team will then provide the SC meeting in
35 Denver with a summary of the Issues of Concern along with references to
36 the TSG(s) who could take action on them.

1 **ACTION: This contribution was remanded to all WGs for review and action**
2 **with comments to be coordinated by WG3 by Wednesday of the January 2010**
3 **meeting in Bangkok, Thailand. The TSG-S Secretary will then compile the**
4 **material to present to the Closing Plenary of the January 2010 meeting for**
5 **approval.**

- 6 • 3GPP2 SECRETARIAT: The following contributions were discussed:
 - 7 • E-mail correspondence dated 8 November 2009 regarding SC level review of
8 S.R0136-0 v2.0 System Requirements for MSC Pool (S00-20091207-013) was
9 presented from the 3GPP2 Secretariat. **ACTION: This contribution was**
10 **remanded to WG1 as FYI.**
 - 11 • E-mail correspondence dated 8 November 2009 regarding V&V review extension
12 for S.P0132-0 Femtocell Security Framework (S00-20091207-014) was presented
13 from the 3GPP2 Secretariat. **ACTION: This contribution was remanded to WG4**
14 **as FYI.**
 - 15 • E-mail correspondence dated 8 November 2009 regarding V&V review for
16 S.P0028-E v0.6 OAM&P for cdma2000 (Overview, 3GPP R8 Delta Specification,
17 3GPP2 Network Resource Model IRP) (S00-20091207-015) was presented from
18 the 3GPP2 Secretariat. **ACTION: This contribution was remanded to WG2 as**
19 **FYI.**
 - 20 • E-mail correspondence dated 12 November 2009 regarding SC level review for
21 Three (3) Work Item Worksheets (S00-20091207-016) was presented from the
22 3GPP2 Secretariat. **ACTION: This contribution was remanded to WG3 as FYI.**
 - 23 • Correspondence to all TSGs dated 5 November 2009 regarding Work Item
24 Worksheets for Review (S00-20091207-017) was presented from the 3GPP2 PMT
25 Coordinator. **ACTION: This contribution was remanded to all WGs for review**
26 **and comment with comments to be coordinated by WG3.**
 - 27 • E-mail correspondence dated 1 December 2009 regarding S.R0136-0 v2.0 System
28 Requirements for MSC Pool Published (S00-20091207-019) was presented from
29 the 3GPP2 Secretariat. **ACTION: This contribution was remanded to WG1 as**
30 **FYI.**
 - 31 • 3GPP2 Workplan files for December 2009 (S00-20091207-021) was presented
32 from the 3GPP2 PMT Coordinator. **ACTION: This contribution was remanded to**
33 **all WGs for review and comment with comments to be coordinated by WG3.**
 - 34 • E-mail correspondence dated 2 December 2009 regarding V&V Extension -
35 S.P0028-E v0.6 OAM&P (S00-20091207-022) was presented from the 3GPP2
36 Secretariat. **ACTION: This contribution was remanded to WG2 as FYI.**

- 1 • TSG-A: The following contributions were discussed:
- 2 • Correspondence to TSG-X dated 5 November 2009 regarding New A12 RADIUS
3 Attribute Definition (S00-20091207-008) was presented from TSG-A. **ACTION:**
4 **This contribution was remanded to WG1, WG2, and WG4 as FYI.**
- 5 • Correspondence dated 5 November 2009 regarding TSG-A Work Item, Stage 1, LS,
6 and SC Documents for Review (S00-20091207-009) was presented from TSG-A.
7 **ACTION: This contribution was remanded to WG3 for review and action as**
8 **appropriate.**
- 9 • TSG-C: The following contributions were discussed:
- 10 • TSG-C Liaison Report for November 2009 (S00-20091207-003) was presented
11 from the TSG-C Liaison as FYI for TSG-S. **ACTION: Attachments A through D was**
12 **remanded to WG3 for review and action as appropriate.**
- 13 • TSG-C Liaison Report for the 19 November 2009 TSG-C Interim Plenary
14 conference call (S00-20091207-004) was presented from the TSG-C Liaison as FYI
15 for TSG-S.
- 16 • Correspondence to TSG-S PMT Coordinator dated 5 November 2009 regarding
17 response to work plan questions (S00-20091207-005) was presented from TSG-C.
18 **ACTION: This contribution was remanded to WG3 as FYI.**
- 19 • Correspondence to TSG-S dated 5 November 2009 regarding review of 3GPP2
20 Work Items (S00-20091207-006) was presented from TSG-C. **ACTION: This**
21 **contribution was remanded to WG3 as FYI.**
- 22 • Correspondence to TSG-X dated 19 November 2009 regarding Femto
23 Management Object Workplan Revisions (S00-20091207-007) was presented
24 from TSG-C. **ACTION: This contribution was remanded to WG1, WG2, and WG4**
25 **as FYI.**
- 26 • Correspondence dated 7 December 2009 regarding ESN Reclamation for
27 Assignment as UIM_ID (S00-20091207-025) was presented from TSG-C. **ACTION:**
28 **This contribution was remanded to WG1 for review and action as appropriate.**
- 29 • TSG-X: The following contributions were discussed:
- 30 • Correspondence to TSG-C dated 5 November 2009 regarding Femto
31 Management Object Workplan Revisions (S00-20091207-010) was presented
32 from TSG-X. **ACTION: This contribution was remanded to all WGs as FYI.**
- 33 • Correspondence to Broadband Forum BBHome Working Group dated 18
34 November 2009 regarding 3GPP2 TR-196 Management Objects and Attributes
35 for cdma2000® Femtocell Devices (S00-20091207-011) was presented from TSG-
36 X. **ACTION: This contribution was remanded to al WGs as FYI.**

- 1 • Correspondence dated 5 November 2009 regarding Review Items (S00-
2 20091207-012) was presented from TSG-X. **ACTION: This contribution was**
3 **remanded to WG3 as FYI.**
- 4 • Correspondence to all TSGs dated 7 December 2009 regarding Request for Brief
5 FMOAHG Meeting Thursday, 10 December 2009 (S00-20091207-026) was
6 presented from TSG-X. **ACTION: This contribution was remanded to all WGs as**
7 **FYI.**
- 8 • TIA: No contributions or discussion.
- 9 • ITU: No contributions or discussion.
- 10 • 3GPP: No contributions or discussion.
- 11 • 3GPP TSG-SA5 and T1M1: No contributions or discussion.
- 12 • IEEE or WiFi Alliance: No contributions or discussion.
- 13 • OMA: No contributions or discussion.
- 14 • CDG: No contributions or discussion.
- 15 • Other: An LS dated 2 December 2009 regarding Continuation of the JCA-Mgt (S00-
16 20091207-023) was presented from the Joint Coordination Activity on Management.
17 **ACTION: This contribution was remanded to WG2 as FYI.**

18 8. **NEW/OLD BUSINESS:** No contributions or discussion.

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

- 20 • WG1 REQUIREMENTS: No contributions or discussion.
- 21 • WG2 ARCHITECTURE AND OAM&P: No contributions or discussion.
- 22 • WG3 PMT: E-mail correspondence dated 1 December 2009 regarding Report Summary
23 for the Teleconference to initiate the TSG Review of SC.P1005-A 3GPP2 Drafting Rules
24 (S00-20091207-020) was presented from the PMT. **ACTION: This contribution was**
25 **remanded to all WGs as FYI.**
- 26 • WG4 SECURITY: No contributions or discussion.
- 27 • 3GPP2 VISION ADHOC: No contributions or discussion.

28

29 This session was recessed on 7 December 2009 at 2:45 PM local time.

30

31

32

33 **CLOSING PLENARY**

34 The meeting was reconvened on Thursday 10 December 2009 at 1:33 PM local time by TSG-S Chair,
35 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 **10. WORKING GROUP REPORTS:**

- 5 • **WG1 REPORT:** The WG1 Report (S00-20091207-101) was presented by WG1 Chair, Alex
6 Gogic (Qualcomm), as FYI.
 - 7 • Documents being recommended for publication:
 - 8 • S.P0129-A v1.2 HRPD/1x RTT and 3GPP E-UTRAN (LTE) Interworking and
9 Handoff Stage 1
 - 10 • Documents being recommended for V&V review: NONE
 - 11 • Documents being recommended for TSG review: NONE
 - 12 • Progressed the development of the following:
 - 13 • Inter-Technology Interworking
 - 14 • Equipment Numbering Issues, including MEID/IMEI administration
15 coordination and ESN reclamation for UIM-ID assignment
 - 16 • Femto Cells and Pico Cells
 - 17 • Plenary is requested to assign a new document number for “Femto Cell Systems
18 Overview for cdma2000 Wireless Communication Systems”.
 - 19 • WG1 has discussed the issue of whether or not a formal agreement with the
20 Femto Forum is required based on the recent input from them on Enterprise
21 requirements.

22 **DECISION: S.P0129-A v1.2 HRPD/1x RTT and 3GPP E-UTRAN (LTE) Interworking and**
23 **Handoff Stage 1 (S00-20091207-110) was approved without objection for publication**
24 **as S.R0129-A v2.0.**

25 **DECISION: Proposed correspondence to TIA TR45.8 regarding Publication Text of**
26 **S.R0129-A v2.0 HRPD/1x RTT and 3GPP E-UTRAN (LTE) IW and HO Stage 1 (S00-**
27 **20091207-111R1) was approved without objection for transmission with S00-**
28 **20091207-110/ S00-20091207-110A attached.**

29 **DECISION: Proposed correspondence to TIA TR45 regarding ESN Reclamation for**
30 **Assignment as UIM_ID (S00-20091207-116R1) was approved without objection for**
31 **transmission with S00-20091207-025 attached.**

32 **DECISION: Proposed correspondence to GDA, GHA, and Numbering JEM moderator**
33 **titled “Global Wireless Equipment Identifier Numbering Resources & Administration**
34 **Joint Experts Meeting (JEM)” (S00-20091207-117R1) was approved without objection**
35 **for transmission.**

36 **ACTION: The WG1 Development Schedule (S00-20091207-101A) was remanded to**
37 **WG3 for review and action as appropriate.**

1 **DECISION: S.R0139 was assigned for use for Femto Cell Systems Overview for**
2 **cdma2000 Wireless Communication Systems.**

3 **ACTION: The Project Number Request for S.P0139 Femto Cell Systems Overview for**
4 **cdma2000 Wireless Communication Systems, included in the WG1 Report, was**
5 **remanded to WG1 for action.**

- 6 • **WG2 REPORT:** The WG2 Report (S00-20091207-102R1) was presented by WG2 Co-Chair,
7 Scott Marin (Motorola), as FYI.

- 8 • Documents being recommended for publication: NONE
- 9 • Documents being recommended for V&V review: NONE
- 10 • Documents being recommended for TSG review:
 - 11 • S.P0037-B All-IP NAM
 - 12 • Progressed the development of the following:
 - 13 • S.P0028 OAM&P
 - 14 • S.P0135 Femto NAM
 - 15 • The WG2 Chair noted revised meeting times for the January 2010 meeting in
16 Bangkok as indicated in the report.

17 **DECISION: S.P0135 v0.5 Femto NAM (S00-20091207-113) was approved without**
18 **objection as baseline text and remanded back to WG2 for R&F.**

19 **DECISION: Proposed correspondence to all TSGs regarding R&F review of S.P0135 v0.5**
20 **Femto NAM (S00-20091207-112R1) was approved without objection for transmission**
21 **with S00-20091207-113 attached.**

22 **ACTION: WG2 schedule information (S00-20091207-102A) was remanded to WG3 for**
23 **review and action as appropriate.**

- 24 • **WG3 REPORT:** The WG3 Report (S00-20091207-103) was presented by WG3 Chair,
25 Eileen McGrath (NEC), as FYI. This report was not reviewed in detail.

26 **DECISION: The following WI(s) were approved without objection for distribution by**
27 **the PMT Manager for TSG review as available from the 3GPP2 website unless**
28 **indicated as a contribution number below:**

- 29 • **3GPP2-00252: cdma2000 1x Rev E Bug Fixes (S00-20091207-103C)**
- 30 • **3GPP2-00253: CSIM Conformance Test Requirements (S00-20091207-103D)**
- 31 • **3GPP2-00254: HRPD-Based Air Interface to Allow Range Extension (S00-**
32 **20091207-103E)**
- 33 • **3GPP2-00255: Minimum Performance Requirements for Micro and Pico**
34 **cdma2000 BS (S00-20091207-103F)**

1 **DECISION:** The following WIs were approved without objection for distribution by the
2 **PMT Manager for SC level review as available from the 3GPP2 website unless**
3 **indicated with a contribution number below:**

- 4 • **3GPP2-00240: Bug Fixes for Access Terminal Minimum Performance Standards**
- 5 • **3GPP2-00241: Interworking between the Short Messaging Services and OMA**
6 **Instant Messaging (SMS-IM)**
- 7 • **3GPP2-00242: 3GPP2 System Enhancements for Femto Cell Support Phase II**

8 **DECISION:** Proposed correspondence to all TSGs regarding proposal to improve TSG
9 **focus on Work Item development prior to document completion (S00-20091207-**
10 **114R1) was approved without objection for transmission.**

11 **DECISION:** Proposed correspondence to all TSGs regarding “Please plan to attend TSG
12 **Review of SC.P1005-A at January 2010 meeting” (S00-20091207-115R1) was approved**
13 **without objection for transmission.**

14 **DECISION:** SC.P2005-003-0 System Release 5 Standardized Services and Features (S00-
15 **20091207-119A) was approved without objection for presentation to the SC for their**
16 **publication processing as an SC-library document as SC.R2005-003-0 v1.0 pending**
17 **formatting corrections to the Table of Contents by the Editor.**

18 **DECISION:** Proposed correspondence to SC Chair regarding Completion of
19 **development and TSG comment resolution for SC.R2005-003-0 v1.0 (S00-20091207-**
20 **119R4) was approved without objection for transmission with S00-20091207-119A.**

- 21 • **WG4 REPORT:** The WG4 Report (S00-20091207-104) was presented by WG4 Chair,
22 Anand Palanigounder (Qualcomm), as FYI.
 - 23 • Documents being recommended for publication: NONE
 - 24 • Documents being recommended for V&V review: NONE
 - 25 • Documents being recommended for TSG review: NONE
 - 26 • Progressed the development of the following:
 - 27 • Femtocell Security
 - 28 • Depending on the anticipated work load and participation, endorse WG4
29 proposal to conduct entire WG4 business over conference call(s) instead of
30 having to meet face-to-face (F2F) at some selected 3GPP2 Super meeting(s). This
31 will be decided by WG4 on a case-by-case basis depending on the anticipated
32 WG4 work load and participation.
 - 33 • WG4 expects to inform the plenary at least one meeting cycle in advance
34 on whether WG4 plans to meet face-to-face (F2F) during a super meeting
35 or hold WG4 meeting over conference calls.

- 1 • If the entire WG4 business is conducted over conference call, then WG4
2 plans to conduct the conference call(s), outside of 3GPP2 super meeting
3 week(s) in order to allow maximum participation of delegates who may
4 also attend other TSGs/WGs.

5 WG4 e-mail correspondence to TSG-C dated 30 November 2009 regarding TSG-S WG4
6 review comments on Smart Grid Characterization matrix (S00-20091207-104A) was
7 noted as FYI for TSG-S.

8 **ACTION: The WG4 Report (S00-20091207-104A) was remanded to WG3 for review
9 and action as appropriate with respect to the workplan information contained therein.**

- 10 • **3GPP2 VISION ADHOC REPORT: DID NOT MEET.**

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

- 12 • OP: No contributions or discussions.
- 13 • SC: No contributions or discussions.
- 14 • 3GPP2 SECRETARIAT: MEID Administration Report for the period ending 30 November
15 2009 (S00-20091207-109) was presented from the 3GPP2 Secretariat. **ACTION: This
16 contribution was remanded to WG1 as FYI.**
- 17 • TSG-A: No contributions or discussions.
- 18 • TSG-C: No contributions or discussions.
- 19 • TSG-X: Correspondence dated 7 December 2009 regarding JEM Comments (S00-
20 20091207-107) was presented from TSG-X. **ACTION: This contribution was remanded
21 to WG1 as FYI.**
- 22 • TIA: No contributions or discussions.
- 23 • ITU: No contributions or discussion.
- 24 • 3GPP: No contributions or discussions.
- 25 • 3GPP TSG-SA5 and T1M1: No contributions or discussions.
- 26 • IEEE or WiFi Alliance: No contributions or discussion.
- 27 • OMA: No contributions or discussions.
- 28 • CDG: No contributions or discussions.
- 29 • Other: Correspondence dated 9 December 2009 regarding Supporting Information
30 Related to Enterprise Applications (S00-20091207-108) was presented from the Femto
31 Forum. **ACTION: This contribution was remanded to WG1 for review and action as
32 appropriate.**

1 12. **NEW BUSINESS (continued):**

- 2 • Template for TSG-S WG comments regarding Consolidated Issues of Concern for the
3 Indian Market (S00-20091207-106) was presented from the Acting Secretary. **ACTION:**
4 **This contribution was remanded to all WGs for review and action as appropriate.**
- 5 • The Chair announced the resignation of Randy Scheer (Alcatel-Lucent) from the WG2
6 Co-Chair position. Randy noted that the maturity of the 3GPP2 OAM&P documents
7 allows him to participate on a less frequent basis without a leadership role in WG2. The
8 Chair thanked Randy for his years of leadership and service.

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

- 10 • The Executive Summary of TSG-S Activities in 2009 (S00-20091207-118) was presented
11 from the TSG-S Chair as FYI for TSG-S. Certificates of Appreciation were presented to
12 the WG and AdHoc Group Chairs and the TSG-S Secretary.
- 13 • The TSG-S Document Status Table (S00-20091207-100R1) was presented. **DECISION:**
14 **This contribution was approved without objection for distribution pending final**
15 **comments by document Editors and WG Chairs.**
- 16 **ACTION: All document Editors and WG Chairs must review and comment with**
17 **comments to be forwarded to the WG1 Chair by COB Tuesday 14 December 2009.**

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

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

| | |
|--------------------|--|
| 25-28 January 2010 | Grand Hyatt Erawan, Bangkok in Bangkok, Thailand |
| 1-4 March 2010 | Denver, CO, USA |
| 26-29 April 2010 | China |

- 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
22 summarized as follows:

23 091207-001 The Consolidated Summary of Issues of Concern to the Indian Market
24 (S00-20091207-024) from the 3GPP2 SC was remanded to all WGs for review and
25 action with comments to be coordinated by WG3 by Wednesday of the January
26 2010 meeting in Bangkok, Thailand. The TSG-S Secretary will then compile the
27 material to present to the Closing Plenary of the January 2010 meeting for
28 approval.

29
30 The Plenary was adjourned on 10 December 2009 at 3:45 PM local time.

1

| NUMBER | SUBJECT | SOURCE | ACTION |
|--|--|-------------------|------------------|
| OPENING PLENARY – S00-20091207- | | | |
| 000 | DOCUMENT REGISTER | SECRETARY | FYI |
| 001 | AGENDA | CHAIR | APPROVED |
| 002 | TSG-S Meeting Summary – November 2009 – Mumbai, India | SECRETARY | APPROVED |
| 003 | TSG-C Liaison Report – November 2009 – Mumbai | TSG-C LIAISON | FYI A-D → WG3 |
| 004 | TSG-C Liaison Report – 19 November 2009 Interim Plenary conference call | TSG-C LIAISON | FYI |
| 005 | Correspondence to TSG-S PMT Coordinator dated 5 November 2009 regarding response to work plan questions | TSG-C | WG3 |
| 006 | Correspondence to TSG-S dated 5 November 2009 regarding review of 3GPP2 Work Items | TSG-C | WG3 |
| 007 | Correspondence to TSG-X dated 19 November 2009 regarding Femto Management Object Workplan Revisions | TSG-C | WG1, WG2, WG4 |
| 008 | Correspondence to TSG-X dated 5 November 2009 regarding New A12 RADIUS Attribute Definition | TSG-A | WG1, WG2, WG4 |
| 009 | Correspondence dated 5 November 2009 regarding TSG-A Work Item, Stage 1, LS, and SC Documents for Review | TSG-A | WG3 |
| 010 | Correspondence to TSG-C dated 5 November 2009 regarding Femto Management Object Workplan Revisions | TSG-X | ALL WGs |
| 011 | Correspondence to Broadband Forum BBHome Working Group dated 18 November 2009 regarding 3GPP2 TR-196 Management Objects and Attributes for cdma2000 [®] Femtocell Devices | TSG-X | ALL WGs |
| 012 | Correspondence dated 5 November 2009 regarding Review Items | TSG-X | WG3 |
| 013 | E-mail correspondence dated 8 November 2009 regarding SC level review of S.R0136-0 v2.0 System Requirements for MSC Pool | 3GPP2 SECRETARIAT | WG1 |
| 014 | E-mail correspondence dated 8 November 2009 regarding V&V review extension for S.P0132-0 v0.10 (sic) - Femtocell Security Framework | 3GPP2 SECRETARIAT | WG4 |

| | | | |
|--|--|---|-----------------------|
| 015 | E-mail correspondence dated 8 November 2009 regarding V&V review for S.P0028-E v0.6 OAM&P for cdma2000 (Overview, 3GPP R8 Delta Specification, 3GPP2 Network Resource Model IRP) | 3GPP2 SECRETARIAT | WG2 |
| 016 | E-mail correspondence dated 12 November 2009 regarding SC level review for Three (3) Work Item Worksheets | 3GPP2 SECRETARIAT | WG3 |
| 017 | Correspondence to all TSGs dated 5 November 2009 regarding Work Item Worksheets for Review | 3GPP2 PMT COORDINATOR | WG3 ALL WGs |
| 018 | Meeting summary for 3GPP2 SC/OP meetings in Mumbai plus unofficial executive summary | 3GPP2 SECRETARIAT/ SECRETARY | FYI |
| 019 | E-mail correspondence dated 1 December 2009 regarding S.R0136-0 v2.0 System Requirements for MSC Pool Published | 3GPP2 SECRETARIAT | WG1 |
| 020 | E-mail correspondence dated 1 December 2009 regarding Report Summary for the Teleconference to initiate the TSG Review of SC.P1005-A 3GPP2 Drafting Rules | TSG-S PMT | ALL WGs |
| 021 | 3GPP2 Workplan files – December 2009 | 3GPP2 PMT COORDINATOR | WG3 ALL WGs |
| 022 | E-mail correspondence dated 2 December 2009 regarding V&V Extension - S.P0028-E v0.6 OAM&P | 3GPP2 SECRETARIAT | WG2 |
| 023 | LS dated 2 December 2009 regarding Continuation of the JCA-Mgt | JOINT COORDINATION ACTIVITY ON MANAGEMENT | WG2 |
| 024 | Consolidated Summary of Issues of Concern to the Indian Market | 3GPP2 SC | WG3 ALL WGs |
| 025 | Correspondence dated 7 December 2009 regarding ESN Reclamation for Assignment as UIM_ID | TSG-C | WG1 |
| 026 | Correspondence to all TSGs dated 7 December 2009 regarding Request for Brief FMOAHG Meeting Thursday, 10 December 2009 | TSG-X | ALL WGs |
| CLOSING PLENARY – S00-20091207- | | | |
| 101 | WG1 Report | WG1 | FYI |
| 102 | WG2 Report | WG2 | FYI |

| | | | |
|-----|--|--------------------|--|
| 103 | WG3 Report | WG3 | FYI Specific Attachments APPROVED |
| 104 | WG4 Report | WG4 | FYI |
| 105 | 3GPP2 Vision AdHoc Report | 3GPP2 VISION ADHOC | NO REPORT |
| 106 | Template for TSG-S WG comments regarding Consolidated Issues of Concern for the Indian Market | SCRIBE | ALL WGs |
| 107 | Correspondence dated 7 December 2009 regarding JEM Comments | TSG-X | WG1 |
| 108 | Correspondence dated 9 December 2009 regarding Supporting Information Related to Enterprise Applications | FEMTO FORUM | WG1 |
| 109 | MEID Administration Report for the period ending 30 November 2009 | 3GPP2 SECRETARIAT | WG1 |
| 110 | S.P0129-A v1.2 HRPD/1x RTT and 3GPP E-UTRAN (LTE) IW and HO Stage 1 proposed publication text | WG1 | APPROVED |
| 111 | Proposed correspondence to TIA TR45.8 regarding Publication Text of S.R0129-A v2.0 HRPD/1x RTT and 3GPP E-UTRAN (LTE) IW and HO Stage 1 | WG1 | APPROVED R1 |
| 112 | Proposed correspondence to all TSGs regarding R&F review of S.P0135 v0.5 Femto NAM | WG2 | APPROVED R1 |
| 113 | S.P0135 v0.5 Femto NAM proposed baseline text | WG2 | APPROVED |
| 114 | Proposed correspondence to all TSGs regarding proposal to improve TSG focus on Work Item development prior to document completion | WG3 | APPROVED R1 |
| 115 | Proposed correspondence to all TSGs regarding "Please plan to attend TSG Review of SC.P1005-A at January 2010 meeting" | WG3 | APPROVED R1 |
| 116 | Proposed correspondence to TIA TR45 regarding ESN Reclamation for Assignment as UIM_ID | WG1 | APPROVED R1 |
| 117 | Proposed correspondence to GDA, GHA, and Numbering JEM moderator titled "Global Wireless Equipment Identifier Numbering Resources & Administration Joint Experts Meeting (JEM)". | WG1 | APPROVED R1 |
| 118 | Executive Summary of TSG-S Activities in 2009 | CHAIR | FYI |

| | | | |
|-----|--|-----|-------------|
| 119 | Proposed correspondence to SC Chair regarding Completion of development and TSG comment resolution for SC.P2005-003-0 v1.0 | WG3 | APPROVED R4 |
|-----|--|-----|-------------|

1

| 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.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 |

| PUBLISHED TSG-S SPECIFICATIONS AND REPORTS | | |
|--|---|--------------|
| NUMBER | TITLE | RESP |
| S.R0037-0 | 3GPP2 NAM v3.0 | WG2 |
| S.P0037-A | 3GPP2 NAM v1.0 | WG2 |
| S.R0037-B | 3GPP2 NAM v1.0 | 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 v2.0 | WG4 |
| S.S0054-0 | Interface Specification for Common Cryptographic Algorithms v1.0 – SUPERSEDED BY S.S0053-0 v2.0 | 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 |

| PUBLISHED TSG-S SPECIFICATIONS AND REPORTS | | |
|--|---|-----------|
| NUMBER | TITLE | RESP |
| 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 |
| 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 |

| PUBLISHED TSG-S SPECIFICATIONS AND REPORTS | | |
|--|--|----------|
| NUMBER | TITLE | RESP |
| 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.R0118-0 | Telephone Number Mapping (ENUM) Stage1 v1.0 | WG1 |
| S.R0121-0 | 3GPP2 Evolved Network SRD v1.0 | 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 | 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.R0134-0 | Evolution of Ultra Mobile Broadband SRD v1.0 | WG1 |
| S.R0136-0 | System Requirements for MSC Pool v1.0 | WG1 |
| S.R0137-0 | Common IMS Impact to 3GPP2 Specifications | WG2 |
| S.S0138-0 | eHRPD Security Framework v1.0 | WG4 |

1
2
3

1

| TSG-S PROJECTS IN DEVELOPMENT | | |
|-------------------------------|---|------|
| NUMBER | TITLE | RESP |
| S.P0037-B | All IP NAM | WG2 |
| S.P0076-0 | Protocol Alignment Reference | WG3 |
| S.P0119-0 | Proximity Mobile Gateway Stage 1 | WG1 |
| S.P0124-0 | UMB NAM | WG2 |
| S.P0132-0 | Femto Security Framework | WG4 |
| S.P0133-0 | Call Localization Management Stage 1 | WG1 |
| S.P0135-0 | Network Architecture Model for cdma2000 Femto-Cell Enabled Systems | WG2 |
| S.P0139-0 | Femto Cell Systems Overview for cdma2000 Wireless Communication Systems | WG1 |

| 3GPP2 QUORUM ROLL CALL | | | | | | | |
|--|------------|------------|--------------------|---------------|---------------|-----------------|-----------------|
| TSG-S (Systems and Services Aspects) | | | | | | | |
| Maui, HI, USA | | | | | | | |
| 10-Dec-09 | | | | | | | |
| INDIVIDUAL MEMBER COMPANY | Attendance | Attendance | Consec Mtgs Missed | Voting Status | Quorum Status | Voting Status | Quorum Status |
| | 12/7/2009 | 12/10/2009 | (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 | | | 3 | 0 | 0 | 0 | 0 |
| CHINA TELECOM | 1 | | 0 | 1 | 1 | 1 | 1 |
| ERICSSON | 1 | | 0 | 1 | 1 | 1 | 1 |
| HITACHI | 1 | | 0 | 1 | 1 | 1 | 1 |
| HUAWEI | 1 | | 0 | 1 | 1 | 1 | 1 |
| KDDI | 1 | | 0 | 1 | 1 | 1 | 1 |
| KYOCERA | | | 2 | 1 | 1 | 1 | 1 |
| LGE | | | 1 | 0 | 0 | 0 | 0 |
| LG TELECOM | 1 | | 0 | 1 | 1 | 1 | 1 |
| MOTOROLA | 1 | | 0 | 1 | 1 | 1 | 1 |
| NEC | 1 | | 0 | 1 | 1 | 1 | 1 |
| NORTEL NETWORKS | | | 1 | 1 | 1 | 1 | 1 |
| QUALCOMM | 1 | | 0 | 1 | 1 | 1 | 1 |
| RITT | | | 3 | 1 | 1 | 1 | 1 |
| SK TELECOM | | | 3 | 0 | 0 | 0 | 0 |
| SKYTERRA | | | 3 | 0 | 0 | 0 | 0 |
| SPRINT/NEXTEL | | | 1 | 1 | 1 | 1 | 1 |
| TATARA SYSTEMS | | | 2 | 1 | 0 | 1 | 0 |
| TELCORDIA | | | 3 | 0 | 0 | 0 | 0 |
| US CELLULAR | | | 3 | 0 | 0 | 0 | 0 |
| VERIZON WIRELESS | | | 3 | 0 | 0 | 0 | 0 |
| ZTE | | | 3 | 0 | 0 | 0 | 0 |
| TOTALS | 10 | 0 | | 15 | 14 | 15 | 14 |
| QUORUM CALCULATION | 71% | 0% | | | | | |
| ADDITIONS | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| OBSERVERS AND GUESTS | | | | | | | |
| ARIB | 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 | | | | | | | |