1 **Title:**

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

3 **for 30 March – 2 April 2009 in New Orleans, LA, USA**

4 **Source:**

5 Clifton J. Barber

6 TSG-S SECRETARY

7

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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 30 March – 2 April 2009 in New Orleans, LA, USA.

19

20 **Recommendations:**

21 For review and approval.

22

23 **Notice:**

1 During the period of 30 March – 2 April 2009, 3GPP2 TSG-S meetings were held at the Loews New
2 Orleans Hotel in New Orleans, LA, 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 30 March 2009 at 1:33PM local time by TSG-S Chair, Nick Yamasaki (KDDI).

7   The Chair welcomed everyone to New Orleans.

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

9 2.   **ATTENDANCE REGISTRATION AND ROLL CALL:** A roll call of companies indicated
10   that 9 companies included on the list of 14 active quorum members were present (64%
11   participation). Thus, meeting quorum was achieved.

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

13 3.   **INTRODUCTION AND NUMBERING OF CONTRIBUTIONS:** Contributions were loaded
14   onto the 3GPP2 LAN server and listed in the document register (S00-20090330-000).

15 4.   **AGENDA APPROVAL:** The proposed agenda (S00-20090330-001) was presented.

16   The following events for the week were noted:

17   •   The Vision AdHoc will meet on Monday during the 5-7 PM time slot.

18   •   Joint TSG discussions regarding femto cell issues will be held on Tuesday during the 3-6
19   PM time slot

20   •   The Chair noted that the closing Plenary will start at 1:00 PM on Thursday for this week.

21   **DECISION: The agenda was approved without objection as submitted (S00-20090330-001).**

22 5.   **APPROVAL OF PREVIOUS MEETING SUMMARY:** The summary of the TSG-S meeting
23   for February 2009 that was held in Shanghai, China (S00-20090330-002) was presented.

24   **DECISION: This meeting summary was approved without objection as submitted (S00-**
25   **20090330-002).**

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

28   090216-001   TSG-S Chair must deliver the current working document of SC.P5003-0 v0.6.2
29   3GPP2 Vision for 2009 and Beyond to the SC for their information.

30   **DECISION: This was CLOSED without objection.**

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

32   •   OP: No contributions or discussion.

- SC: The following contributions were discussed:

  - SC/OP draft meeting summaries and unofficial executive summary for February 2009 meetings in Shanghai, China (S00-20090330-012) was presented from the 3GPP2 Secretariat and the TSG-S Secretary. The following SC Action Item was noted:

    - Action SC 2009/02-04: TSG-S is to propose the future steps that should be taken to ensure the best use of the information in the Vision document. This proposal is to be forwarded to the SC after the March/April 2009 TSG meetings.

    - Action SC 2009/02-05: The TSGs are remanded item "B" from the TSG-S report to the SC (SC-20090223-007). Each TSG is to provide comments and recommendations on how to address this issue. Input will be coordinated by TSG-S and forwarded to the SC reflector at the end of the March/April 2009 meetings.

      "B. During discussions regarding WiMAX Forum branding guidelines, a question arose as to whether already published 3GPP2 documents should be examined for compliance to those guidelines. A liaison was sent to the other TSGs in an attempt to determine a uniform policy that could be applied across all TSGs. SC direction on this issue is requested."

      ACTION: This contribution was remanded to all WGs as FYI.

      ACTION: The Vision AdHoc was remanded an action to propose the future steps that should be taken to ensure the best use of the information in the Vision document by the closing Plenary.

  - E-mail correspondence dated 6 March 2009 regarding SC Action 2009/02-05 related to WiMAX Branding (S00-20090330-013) was presented from the 3GPP2 Secretariat. **ACTION: This contribution was remanded to all WGs for review and comment with comments to be coordinated by the Secretary by the closing Plenary.**

  - E-mail correspondence dated 20 March 2009 regarding SC Action 2009/02-09 related to collaborative software tools (S00-20090330-014) was presented from the 3GPP2 Secretariat. **ACTION: This contribution was remanded to all WGs for review and comment with comments to be coordinated by WG1.**

  - E-mail correspondence dated 18 March 2009 regarding Steering Committee Workshop Planning AdHoc Group (S00-20090330-024) was presented from the SC Chair as FYI for TSG-S.

- 3GPP2 SECRETARIAT: The following contributions were discussed:

  - Correspondence to all TSGs dated 19 February 2009 regarding Work Item Worksheets for Review (S00-20090330-015) was presented from the 3GPP2 Secretariat. **ACTION: This contribution was remanded to all WGs for review and comment with comments to be coordinated by WG3.**

1   •   E-mail correspondences regarding SC level review and approval of S.R0134-0
2   v1.0 Evolution of Ultra Mobile Broadband System Requirements Document (S00-
3   20090330-016) was presented from the 3GPP2 Secretariat. **ACTION: This**
4   **contribution was remanded to WG1 as FYI.**

5   •   E-mail correspondences regarding V&V review of S.P0053-0 v1.1 Common
6   Cryptographic Algorithms (S00-20090330-017) was presented from the 3GPP2
7   Secretariat. **ACTION: This contribution was remanded to WG4 for review**
8   **and action as appropriate.**

9   •   E-mail correspondence dated 21 February 2009 regarding V&V review of
10   S.P0129-A v0.2 HRPD/1xRTT and 3GPP E-UTRAN (LTE) Interworking and
11   Inter-Technology Handoff Stage 1 Requirements Report (S00-20090330-018)
12   was presented from the 3GPP2 Secretariat. **ACTION: This contribution was**
13   **remanded to WG1 for review and action as appropriate.**

14   •   E-mail correspondence dated 27 February 2009 regarding SC level review of two
15   (2) Work Items (S00-20090330-019) was presented from the 3GPP2 Secretariat.
16   **ACTION: This contribution was remanded to all WGs for review and**
17   **comment with comments to be coordinated by WG3.**

18   •   The MEID Administration Report dated 28 February 2009 (S00-20090330-020)
19   was presented from the 3GPP2 Secretariat. **ACTION: This contribution was**
20   **remanded to WG1 as FYI.**

21   •   3GPP2 workplan files for March 2009 (S00-20090330-027) were presented from
22   the 3GPP2 Secretariat. **ACTION: This contribution was remanded to all**
23   **WGs for review and comment with comments to be coordinated by WG3.**

24   •   V&V comments regarding S.P0129-A v0.2 HRPD/1XRTT and 3GPP E-UTRAN
25   (LTE) Interworking and Inter-Technology Handoff Requirements (S00-
26   20090330-029) were presented from the 3GPP2 Secretariat. **ACTION: This**
27   **contribution was remanded to WG1 for review and action as appropriate.**

28   •   E-mail correspondence dated 30 March 2009 regarding two (2) Work Items
29   Approved (S00-20090330-032) was presented from the 3GPP2 Secretariat.
30   **ACTION: This contribution was remanded to WG3 for review and action as**
31   **appropriate.**

32   •   TSG-A: The following contributions were discussed:

33   •   Correspondence to all TSGs dated 20 February 2009 regarding Definition of
34   Auto-Configuration Parameters for Femto Cells (S00-20090330-006) was
35   presented from TSG-A. **ACTION: This contribution was remanded to all**
36   **WGs as FYI.**

37   •   Correspondence dated 20 February 2009 regarding TSG-A Work Item, Stage 1,
38   LS, and SC Documents for Review (S00-20090330-007) was presented from
39   TSG-A. **ACTION: This contribution was remanded to WG3 for review and**
40   **action as appropriate.**

1   •   TSG-C: The following contributions were discussed:

2   •   TSG-C Liaison Report for December 2008 (S00-20090330-003) was presented
3   from the TSG-C Liaison as FYI for TSG-S. **ACTION: Attachment A was**
4   **remanded to WG3 for review and action as appropriate.**

5   •   Correspondence dated 20 February 2009 regarding TSG-C review of SC.R5003
6   v0.6.1 3GPP2 Vision document (S00-20090330-004) was presented from TSG-C.
7   **ACTION: This contribution was remanded to the Vision AdHoc for review**
8   **and action as appropriate.**

9   •   Correspondence to TSG-X dated 20 February 2009 regarding eHRPD Definition,
10   PDN-ID, SO72 (S00-20090330-005) was presented from TSG-C. **ACTION:**
11   **This contribution was remanded to WG1 and WG3 as FYI.**

12   •   Correspondence to CDG dated 30 March 2009 regarding removal of analog
13   capability from the cdma2000 family of specifications (S00-20090330-034) was
14   presented from TSG-C as FYI for TSG-S.

15   •   Correspondence to all TSGs dated 30 March 2009 regarding removal of analog
16   capability from the cdma2000 family of specifications (S00-20090330-035) was
17   presented from TSG-C. **ACTION: This contribution was remanded to all**
18   **WGs for review and comment with comments to be coordinated by WG1 by**
19   **the closing Plenary.**

20   •   TSG-X: The following contributions were discussed:

21   •   Correspondence dated 20 February 2009 regarding WiMAX Branding Guidelines
22   (S00-20090330-008) was presented from TSG-X as FYI for TSG-S.

23   •   Correspondence to the WiMAX 3GPP2 Liaison dated 20 February 2009 regarding
24   Publication of X.S0058 WiMAX-HRPD Interworking: Core Network Aspects
25   (S00-20090330-009) was presented from TSG-X 3GPP2 WiMAX Forum Liaison.
26   **ACTION: This contribution was remanded to WG1 as FYI.**

27   •   Correspondence dated 20 February 2009 regarding Review Item SC.P5003-0
28   (S00-20090330-010) was presented from TSG-X. **ACTION: This contribution**
29   **was remanded to the Vision AdHoc and to WG2 for review and action as**
30   **appropriate.**

31   •   3GPP2 All TSG/Femto Forum Discussion meeting agenda for 31 March 2009
32   discussions (S00-20090330-011) was presented from TSG-X. **ACTION: This**
33   **contribution was remanded to all WGs as FYI.**

34   •   TIA: The following contributions were discussed:

35   •   Correspondence dated 25 March 2009 regarding TSG-S request for Formal
36   Report to TSG-S on MEID-related Industry Developments (S00-20090330-026)
37   was presented from TIA TR45 EUMAG. **ACTION: This contribution was**
38   **remanded to WG1 for review and action as appropriate and to WG4 as FYI.**

1 • TIA ballot comments regarding S.P0129-A (TIA-1175, PN-3-0367)
2   HRPD/1XRTT and 3GPP E-UTRAN (LTE) Interworking and Inter-Technology
3   Handoff Stage 1 Requirements (S00-20090330-031) was presented from TIA
4   TR45.8. **ACTION: This contribution was remanded to WG1 for review and**
5   **action as appropriate.**

6 • ITU: The following contributions were discussed:

7   • An LS to External Organizations dated 16 February 2009 regarding request for
8   information on femtocells (S00-20090330-021) was presented from ITU-R WP5D.
9   **ACTION: This contribution was remanded to all WGs for review and**
10   **comment with comments to be coordinated by WG1. TSG-S comments will**
11   **be forwarded to TSG-C by closing Plenary.**

12   • An LS to External Organizations dated 16 February 2009 regarding the roadmap
13   update (S00-20090330-022) was presented from ITU-R WP5D. **ACTION: This**
14   **contribution was remanded to WG1 and WG4 for review and comment with**
15   **comments to be coordinated by WG1.**

16 • 3GPP: No contributions or discussion.

17 • 3GPP TSG-SA5 and T1M1: No contributions or discussion.

18 • IEEE or WiFi Alliance: No contributions or discussion.

19 • OMA: No contributions or discussion.

20 • CDG: A contribution regarding 2008 Progress on MEID and EUIMID and the Last of
21   the Virgin ESNs (S00-20090330-021) was presented from CDG. **ACTION: This**
22   **contribution was remanded to WG1 for review and action as appropriate.**

23 • Other: No contributions or discussion.

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

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

26 • WG1 REQUIREMENTS: The following contributions were discussed:

27   • **DECISION: TSG-S Femto Related Activities (S00-20090330-023R1) was**
28   **approved without objection to be submitted to the joint TSG discussions.**

29   • V&V comments on S.P0129-A HRPD/1xRTT and 3GPP E-UTRAN (LTE)
30   Interworking and Inter-Technology Handoff Stage 1 Requirements (S00-
31   20090330-025) were presented from Qualcomm. **ACTION: This contribution**
32   **was remanded to WG1 for review and action as appropriate.**

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

34 • WG3 PMT: No contributions or discussion.

35 • WG4 SECURITY: The following contribution was discussed:

1   •   **DECISION: Document number request for development of "eHRPD**
2   **Security Framework" (S00-20090330-028) was approved without objection.**
3   **S.R0138-0 was assigned for this development effort.**

4   •   3GPP2 VISION ADHOC: No contributions or discussion.

5 This session was recessed on 30 March 2009 at 3:07 PM local time.

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9 **CLOSING PLENARY**

10 The meeting was reconvened on Thursday 2 April 2009 at 1:03 PM local time by TSG-S Chair, Nick
11 Yamasaki (KDDI).

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

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

15 **10. WORKING GROUP REPORTS:**

16   •   **WG1 REPORT:** The WG1 report (S00-20090330-101) was presented by WG1 Chair,
17   Alex Gogic (Qualcomm), as FYI.

18   •   Documents being recommended for publication:
19   •   S.P0129-A HRPD/1XRTT and 3GPP E-UTRAN (LTE) Interworking and
20   Inter-Technology Handoff Stage 1 Requirements

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

22   •   Documents being recommended for TSG review: NONE

23   •   Progressed the development of the following:
24   •   Femto Cell Systems
25   •   Inter-Technology Interworking (S.R0129-A)
26   •   Numbering Issues

27   •   WG1 expressed the opinion to comply with the branding guidelines going
28   forward, without having to revise the published S.R0128 for that sole purpose.

29   •   Regarding the 3GPP2 Secretariat review of web conferencing methodologies and
30   other tools available in place of face-to-face meetings, WG1 determined that
31   certain companies IT policies disallow applications such as web conferencing,
32   and downloadable applications such as IM.

1 • During a review of the TIA EUMAG correspondence on MEID-related Industry
2 Developments, concerns were raised regarding IMEI address space management,
3 projected by a quoted estimate in about 20 years, which is a lot less than one
4 would anticipate with a more careful management practices. It was decided to
5 seek additional information about the source of the estimate and related
6 background.

7 **DECISION: Proposed correspondence to TSG-C regarding ITU-R WP 5D Request**
8 **for Information on Femto Cells (S00-20090330-113) was approved without objection**
9 **for transmission.**

10 **DECISION: S.P0129-A HRPD/1XRTT and 3GPP E-UTRAN (LTE) Interworking**
11 **and Inter-Technology Handoff Stage 1 Requirements (S00-20090330-110R1) was**
12 **approved without objection for publication as S.R0129-A v1.0.**

13 **DECISION: V&V comment disposition records for S.R0129-A HRPD/1XRTT and**
14 **3GPP E-UTRAN (LTE) Interworking and Inter-Technology Handoff Stage 1**
15 **Requirements (S00-20090330-111R1) were approved without objection.**

16 **DECISION: Proposed correspondence to TIA TR45.8 regarding S.R0129-A V&V**
17 **(ballot) comment disposition records (S00-20090330-112R2) was approved without**
18 **objection for transmission with S00-20090330-110R1 and S00-20090330-111R1 as**
19 **attachments.**

20 **DECISION: Proposed correspondence to TIA TR45 EUMAG regarding GSMA**
21 **Estimates on IMEI Exhaust (S00-20090330-116) was approved without objection for**
22 **transmission with its attachment.**

23 **ACTION: The WG1 Development Schedule (S00-20090330-101A) was remanded to**
24 **WG3 for review and action as appropriate.**

25 • **WG2 REPORT:** The WG2 report (S00-20090330-102) was presented by WG2 Co-
26 Chair, Scott Marin (Motorola), as FYI.

27 • Documents being recommended for publication: NONE

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

29 • Documents being recommended for TSG review: NONE

30 • Progressed the development of the following:
31 • S.P0037-B All-IP NAM
32 • S.P0124-0 UMB NAM

33 • WG2 proposes an all TSG lunch time meeting on Tuesday 12 May 2009 in
34 Vancouver to discuss Femto cell architectures.

35 • WG2 will hold a conference call on 10 April 2009 to discuss comment resolution
36 for S.P0124-0 UMB NAM.

- Regarding the WiMAX branding action item, WG2 has published document S.R0124-0 v1.0 UMB NAM than includes the term "WiMAX" but does not include the WiMAX branding. Note the S.R0124-0 v1.2 is under V&V review and that the Secretariat's comment to include the WiMAX branding text in S.R0124-0 v2.0 has been accepted.

DECISION: Proposed correspondence to TSG-X regarding eHRPD description (S00-20090330-106R1) was approved without objection for transmission.

DECISION: Proposed correspondence to all TSGs regarding 3GPP2 Femto Cell Architecture -- Lunch time discussion (S00-20090330-115R1) was approved without objection for transmission.

ACTION: WG2 schedule information (S00-20090330-102A) and comments on the 3GPP2 Workplan (S00-20090330-102B) were remanded to WG3 for review and action as appropriate.

- **WG3 REPORT:** The WG3 report (S00-20090330-103) was presented by WG3 Chair, Eileen McGrath (NEC), as FYI. This report was not reviewed in detail.

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

- **3GPP2-00226: Modification of Band Class Specifications (S00-20090330-103C)**

- **3GPP2-00227: IP Service Authorization Support in cdma200 Packet Data Network (S00-20090330-103D)**

- **3GPP2-00228: Enhanced Authentication Protocol Support for Access Authentication in cdma2000 Packet Data Network (S00-20090330-103E)**

- **3GPP2-00229: Network-initiated QoS Support in cdma2000 Packet Data Network (S00-20090330-103G)**

- **3GPP2-00230: BCMCS Enhancements (S00-20090330-103E)**

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

- **3GPP2-00219: Support For 3GPP2 HRPD Rev. B and 3GPP E-UTRAN (LTE) Mobility Interworking and Inter-Technology Handoff**

SC.P2005-003-0 v0.3 3GPP2 System Release 5 Services and Features (S00-20090330-103H) was noted as FYI.

WG3 has scheduled a conference call on Monday 13 April 2009 to discuss SC.P2005-003-0 v0.3 3GPP2 System Release 5 Services and Features.

WG3 noted that the System Release Guide for Release 5 does include a reference to WiMAX that does not current comply with WiMAX branding guidelines.

1   **DECISION: Proposed correspondence to the SC Chair regarding request for**
2   **clarification in WPD AdHoc on three (3) company support for work items (S00-**
3   **20090330-120R1) was approved without objection for transmission.**

4   **DECISION: Proposed correspondence to the SC Chair regarding Proposal to**
5   **include femto work items in Release 6 (S00-20090330-121R1) was approved without**
6   **objection for transmission.**

7   • **WG4 REPORT:** The WG4 report (S00-20090330-104) was presented byWG4 Chair,
8   Anand Palanigounder (Qualcomm), as FYI.

9   • Documents being recommended for publication: NONE

10   • Documents being recommended for V&V review:
11   • S.P0138-0 v0.5 eHRPD Security Framework

12   • Documents being recommended for TSG review: NONE

13   • Progressed the development of the following:
14   • Femto Security
15   • Femto IMS Security
16   • eHRPD Security

17   • WG4 does not have any documents that reference WiMAX Forum specifications.

18   • Regarding the ITU-R request for info regarding femto cells, WG4 provided
19   Security related comments to the WG1 Chair offline.

20   • WG4 has scheduled a conference call on Monday 27 April 2009 during the 14:00-
21   16:00 US east coast time slot to progress Femto Security work.

22   **DECISION: S.P0138-0 eHRPD Security Framework (S00-20090330-109) was**
23   **approved without objection for V&V review by the 3GPP2 OPs and TSG-S**
24   **Participants and as FYI for all other TSGs with comments due on or before Friday**
25   **8 May 2009.**

26   **ACTION: The WG4 Report (S00-20090330-104) was remanded to WG3 for review**
27   **and action as appropriate with respect to the workplan information contained**
28   **therein.**

29   • **3GPP2 VISION ADHOC REPORT:** The 3GPP2 Vision AdHoc report (S00-
30   20090330-105) was presented by AdHoc Chair, Jane Brownley (Alcatel-Lucent), as FYI.

31   • The 3GPP2 Vision document is being recommended for for SC procedural review
32   and publication.

33   • The AdHoc proposed the following next steps in response to SC ACTION
34   2009/02-04:
35   • Present the 3GPP2 Vision document at the 3GPP2 Workshop in October
36   2009.
37   • Prepare a summary presentation to all TSGs regarding the 3GPP2 Vision
38   document.

1   • Implement an annual update process for the 3GPP2 Vision document.
2   • Forward to the 3GPP2 MRPs (especially, the CDG and Femto Forum) to
3   solicit operator and other industry comments which will be incorporate
4   into future versions of the 3GPP2 Vision document.
5   • Issue a 3GPP2 Press Release to announce the publication of the 3GPP2
6   Vision document.
7   • Keep the 3GPP2 Vision AdHoc active to maintain the 3GPP2 Vision
8   document as a living document.

9   • The AdHoc is planning to prepare a summary presentation of the 3GPP2 Vision
10   Document to all TSGs that will be targeted for the June 2009 meeting in Newport
11   Beach, CA. This presentation will also be intended for the 3GPP2 Workshop in
12   November 2009. The AdHoc will meet in May 2009 to work on this presentation.

13   **DECISION: SC.P5003-0 v0.7.2 3GPP2 Vision for 2009 and Beyond (S00-20090330-**
14   **107R2) was approved without objection to be recommended to the 3GPP2 SC for**
15   **publication as SC.R5003-0 v1.0 pending removal of line numbers on the title page**
16   **and generation of the pdf version.**

17   **DECISION: Proposed correspondence to the SC Chair regarding Implementation**
18   **Strategies for 3GPP2 Vision Document (S00-20090330-119R1) was approved**
19   **without objection for transmission.**

20   **DECISION: Proposed correspondence to all TSGs regarding release of SC.P5003 0**
21   **v0.8 3GPP2 Vision for 2009 and Beyond for publication (S00-20090330-108R1) was**
22   **approved without objection for transmission with S00-20090330-107 attached.**

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

24   • OP: No contributions or discussions.

25   • SC: Correspondence to SC Chair dated 2 April 2009 regarding 3GPP2 Workshop
26   Recommendation (S00-20090330-117) was presented from the 3GPP2 SC Workshop
27   Planning AdHoc as FYI for TSG-S.

28   The discussion noted that the 3GPP2 SC/OP should also consider providing lunch for the
29   3GPP2 TSG super-meeting participants due to the airport location of the meeting venue.
30   **ACTION: The Chair took an action to raise the issue of providing lunch for TSG**
31   **super-meeting participants for the week of the 3GPP2 Workshop in Mumbai.**

32   • 3GPP2 SECRETARIAT: No contributions or discussions.

33   • TSG-A: No contributions or discussions.

34   • TSG-C: No contributions or discussions.

35   • TSG-X: Draft summary of All TSG Discussions on Femto Issues – 31 March 2009
36   (S00-20090330-118) was presented from the TSG-X Femto Discussion Secretary.
37   **ACTION: This contribution was remanded to all WGs as FYI.**

38   • TIA: No contributions or discussions.

1   • ITU: No contributions or discussion.

2   • 3GPP: No contributions or discussions.

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

4   • IEEE or WiFi Alliance: No contributions or discussion.

5   • OMA: No contributions or discussions.

6   • CDG: No contributions or discussions.

7   • Other: No contributions or discussion.

8 12. **NEW BUSINESS (continued):** The following issues were discussed:

9   • NONE

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

11   • **DECISION: Proposed correspondence to the SC Chair regarding TSG-S Position**
12   **on WiMAX Branding Changes to Previously Published Documents (S00-20090330-**
13   **114) was approved without objection for transmission.**

14   • The TSG-S Document Status Table (S00-20090330-100) was presented. **DECISION:**
15   **This contribution was approved without objection for distribution pending final**
16   **comments by document Editors and WG Chairs.**

17   **ACTION: All document Editors and WG Chairs must review and comment with**
18   **comments to be forwarded to the WG1 Chair by COB Tuesday 7 April 2009.**

19   **ACTION: As an on-going process change, all WG Chairs are requested to provide**
20   **a list of changes to be made to the TSG-S Document Status Table in advance of the**
21   **closing Plenary.**

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

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

11-14 May 2009	Vancouver, BC, Canada
15-18 June 2009	Newport Beach Marriott Hotel in Newport Beach, CA, USA
20-23 July 2009	Korea

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

27   090330-01   The Chair took an action to raise the issue of providing lunch for TSG
28   super-meeting participants for the week of the 3GPP2 Workshop in Mumbai.

29   09330-02   As an on-going process change, all WG Chairs are requested to provide a
30   list of changes to be made to the TSG-S Document Status Table in advance of the
31   closing Plenary.

32

1   The Plenary was adjourned on 2 April 2009 at 3:03 PM local time.

1

NUMBER	SUBJECT	SOURCE	ACTION
OPENING PLENARY – S00-20090330-			
000	DOCUMENT REGISTER	SECRETARY	FYI
001	AGENDA	CHAIR	APPROVED
002	TSG-S Meeting Summary – February 2009 – Shanghai, China	SECRETARY	APPROVED
003	TSG-C Liaison Report – February 2009	TSG-C LIAISON	FYI A → WG3
004	Correspondence dated 20 February 2009 regarding TSG-C review of SC.R5003 v0.6.1 3GPP2 Vision document	TSG-C	VISION ADHOC
005	Correspondence to TSG-X dated 20 February 2009 regarding eHRPD Definition, PDN-ID, SO72	TSG-C	WG1, WG3
006	Correspondence to all TSGs dated 20 February 2009 regarding Definition of Auto-Configuration Parameters for Femto Cells	TSG-A	ALL WGs
007	Correspondence dated 20 February 2009 regarding TSG-A Work Item, Stage 1, LS, and SC Documents for Review	TSG-A	WG3
008	Correspondence dated 20 February 2009 regarding WiMAX Branding Guidelines	TSG-X	FYI
009	Correspondence to the WiMAX 3GPP2 Liaison dated 20 February 2009 regarding Publication of X.S0058 WiMAX-HRPD Interworking: Core Network Aspects	TSG-X (3GPP2 WMF Liaison)	WG1
010	Correspondence dated 20 February 2009 regarding Review Item SC.P5003-0	TSG-X	WG2, VISION ADHOC
011	3GPP2 All TSG/Femto Forum Discussion meeting agenda for 31 March 2009 discussions	TSG-X	ALL WGs

012	SC/OP draft meeting summaries and unofficial executive summary for February 2009 meetings in Shanghai, China	3GPP2 SECRETARIAT/ SECRETARY	ALL WGs
013	E-mail correspondence dated 6 March 2009 regarding SC Action 2009/02-05 related to WiMAX Branding	3GPP2 SECRETARIAT	**SECRETARY** ALL WGs
014	E-mail correspondence dated 20 March 2009 regarding SC Action 2009/02-09 related to collaborative software tools	3GPP2 SECRETARIAT	**WG1** ALL WGs
015	Correspondence to all TSGs dated 19 February 2009 regarding Work Item Worksheets for Review	3GPP2 PMT COORDINATOR	**WG3** ALL WGs
016	E-mail correspondences regarding SC level review and approval of S.R0134-0 v1.0 Evolution of Ultra Mobile Broadband System Requirements Document	3GPP2 SECRETARIAT	WG1
017	E-mail correspondences regarding V&V review of S.P0053-0 v1.1 Common Cryptographic Algorithms	3GPP2 SECRETARIAT	WG4
018	E-mail correspondence dated 21 February 2009 regarding V&V review of S.P0129-A v0.2 HRPD/1xRTT and 3GPP E-UTRAN (LTE) Interworking and Inter-Technology Handoff Stage 1 Requirements Report	3GPP2 SECRETARIAT	WG1
019	E-mail correspondence dated 27 February 2009 regarding SC level review of two (2) Work Item	3GPP2 SECRETARIAT	**WG3** ALL WGs
020	MEID Administration Report – 28 February 2009	3GPP2 SECRETARIAT	WG1
021	LS to External Organizations dated 16 February 2009 regarding request for information on femtocells	ITU-R WP5D	**WG1** ALL WGs
022	LS to External Organizations dated 16 February 2009 regarding the roadmap update	ITU-R WP5D	**WG1** WG4

023	TSG-S Femto Related Activities	WG1	APPROVAL
024	E-mail correspondence dated 18 March 2009 regarding Steering Committee Workshop Planning AdHoc Group	SC CHAIR	FYI
025	V&V comments on S.P0129-A HRPD/1xRTT and 3GPP E-UTRAN (LTE) Interworking and Inter-Technology Handoff Stage 1 Requirements	QUALCOMM	WG1
026	Correspondence dated 25 March 2009 regarding TSG-S request for Formal Report to TSG-S on MEID-related Industry Developments	TIA TR45 EUMAG	WG1, WG4
027	3GPP2 workplan files	3GPP2 SECRETARIAT	**WG3** ALL WGs
028	Document number request for development of "eHRPD Security Framework"	WG4	APPROVAL
029	V&V comments regarding S.P0129-A v0.2 HRPD/1XRTT and 3GPP E-UTRAN (LTE) Interworking and Inter-Technology Handoff	3GPP2 SECRETARIAT	WG1
030	2008 Progress on MEID and EUIMID and the Last of the Virgin ESNs	CDG	WG1
031	TIA ballot comments regarding S.P0129-A (TIA-1175, PN-3-0367) HRPD/1XRTT and 3GPP E-UTRAN (LTE) Interworking and Inter-Technology Handoff Stage 1 Requirements	TIA TR45.8	WG1
032	E-mail correspondence dated 30 March 2009 regarding two (2) Work Items Approved	3GPP2 SECRETARIAT	WG3
033	V&V comments on S.P0129-A HRPD/1xRTT and 3GPP E-UTRAN (LTE) Interworking and Inter-Technology Handoff Stage 1 Requirements	HUAWEI	WG1
034	Correspondence to CDG dated 30 March 2009 regarding removal of analog capability from the cdma2000 family of specifications	TSG-C	FYI

035	Correspondence to all TSGs dated 30 March 2009 regarding removal of analog capability from the cdma2000 family of specifications	TSG-C	**WG1** ALL WGs
CLOSING PLENARY – S00-20090330-			
101	WG1 Report	WG1	FYI
102	WG2 Report	WG2	FYI
103	WG3 Report	WG3	FYI C→G APPROVED
104	WG4 Report	WG4	FYI
105	3GPP2 Vision AdHoc Report	3GPP2 VISION ADHOC	FYI
106	Proposed correspondence to TSG-X regarding eHRPD description	WG2	APPROVED R1
107	SC.P5003-0 v0.7.2 3GPP2 Vision for 2009 and Beyond proposed publication text	VISION ADHOC	APPROVED R1
108	Proposed correspondence to all TSGs regarding release of SC.P5003-0 v0.8 3GPP2 Vision for 2009 and Beyond for publication	VISION ADHOC	APPROVED R2
109	S.P0138-0 eHRPD Security Framework proposed V&V text	WG4	APPROVED
110	S.P0129-A HRPD/1XRTT and 3GPP E-UTRAN (LTE) Interworking and Inter-Technology Handoff Stage 1 Requirements proposed publication text	WG1	APPROVED R1
111	V&V comment disposition records for S.R0129-A HRPD/1XRTT and 3GPP E-UTRAN (LTE) Interworking and Inter-Technology Handoff Stage 1 Requirements	WG1	APPROVED R1
112	Proposed correspondence to TIA TR45.8 regarding S.R0129-A V&V (ballot) comment disposition records	WG1	APPROVED R2

113	Proposed correspondence to TSG-C regarding ITU-R WP5D Request for Information on Femto Cells	WG1	APPROVED
114	Proposed correspondence to the SC Chair regarding TSG-S Position on WiMAX Branding Changes to Previously Published Documents	SECRETARY	APPROVAL
115	Proposed correspondence to all TSGs regarding 3GPP2 Femto Cell Architecture -- Lunch time discussion	WG2	APPROVED R1
116	Proposed correspondence to TIA TR45 regarding GSMA Estimates on IMEI Exhaust	WG1	APPROVED
117	Correspondence to SC Chair dated 2 April 2009 regarding 3GPP2 Workshop Recommendation	3GPP2 SC WORKSHOP PLANNING TEAM	FYI
118	Draft summary of All TSG Discussions on Femto Issues – 31 March 2009	TSG-X	ALL WGs
119	Proposed correspondence to the SC Chair regarding Implementation Strategies for 3GPP2 Vision Document	VISION ADHOC	APPROVED R1
120	Proposed correspondence to the SC Chair regarding request for clarification in WPD AdHoc on 3 company support for work items	WG3	APPROVED R1
121	Proposed correspondence to the SC Chair regarding Proposal to include femto work items in Release 6	WG3	APPROVED R1

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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.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 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 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

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

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

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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.P0138-0	eHRPD Security Framework	WG4

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3GPP2 QUORUM ROLL CALL
TSG-S (Systems and Services Aspects)
　　New Orleans, LA, USA
　　　　2-Apr-09

INDIVIDUAL MEMBER COMPANY	Attendance	Attendance	Consec Mtgs Missed	Voting Status	Quorum Status	Voting Status	Quorum Status
	3/30/2009	4/2/2009	(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
ALLTEL			2	1	1	1	1
CHINA TELECOM			1	0	0	0	0
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
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	0	0	0	0
SK TELECOM			2	1	1	1	1
SKYTERRA			3	0	0	0	0
SPRINT/NEXTEL	1		3	0	0	1	0
TATARA SYSTEMS			1	1	1	1	1
US CELLULAR			3	0	0	0	0
VERIZON WIRELESS			3	0	0	0	0
ZTE			1	1	0	1	0
TOTALS	**9**	**0**		**15**	**14**	**16**	**14**
QUORUM CALCULATION	**64%**	**0%**					
ADDITIONS							
OBSERVERS AND GUESTS							
ARIB	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

- Letter of Proxy in effect

* assumes attendance at the next meeting

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