

1 **Title:**

2 **APPROVED SUMMARY OF TSG-S MEETING**
3 **for 8-11 October 2007 in Long Beach, CA, USA**

4 **Source:**

5 Clifton J. Barber
6 TSG-C SECRETARY
7
8 Representing KDDI
9 CJ Barber Consulting Services
10 3028 Saint Andrews Court
11 Jonesboro, GA 30236
12 (770) 210-2988
13 (770) 456-4099 fax
14 cbarber@cjbarberconsulting.com



15
16 **Abstract:**

17 This document is a summary of the 3GPP2 TSG-S meetings that were held during the period of
18 8-11 October 2007 in Long Beach, CA, USA.

19
20 **Recommendations:**

21 For review and approval.

22
23 **Notice:**

24 © 2007 3GPP2

25 KDDI grants a free, irrevocable license to 3GPP2 and its Organizational Partners to incorporate text or other
26 copyrightable material contained in the contribution and any modifications thereof in the creation of 3GPP2
27 publications; to copyright and sell in Organizational Partner's name any Organizational Partner's standards publication
28 even though it may include all or portions of this contribution; and at the Organizational Partner's sole discretion to
29 permit others to reproduce in whole or in part such contribution or the resulting Organizational Partner's standards
30 publication. KDDI is also willing to grant licenses under such contributor copyrights to third parties on reasonable, non-
31 discriminatory terms and conditions for purpose of practicing an Organizational Partner's standard which incorporates
32 this contribution.

33 This document has been prepared by KDDI to assist the development of specifications by 3GPP2. It is proposed to the
34 Committee as a basis for discussion and is not to be construed as a binding proposal on KDDI. KDDI specifically
35 reserves the right to amend or modify the material contained herein and to any intellectual property of KDDI other than
36 provided in the copyright statement above.

1 During the period 8-11 October 2007, 3GPP2 TSG-S meetings were held at the Renaissance Long
2 Beach in Long Beach, CA, 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 8 October 2007 at 1:06 PM local time by TSG-S Chair, Nick Yamasaki (KDDI).

7 The Chair welcomed the participants to Long Beach.

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

10 The newly elected SC Vice-Chair, Sang-Keun Park (Samsung), was noted in attendance.

11 2. **ATTENDANCE REGISTRATION AND ROLL CALL:** A roll call of companies indicated
12 that 11 companies included on the list of 18 active quorum members were present (61%
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
16 loaded onto the 3GPP2 LAN server and listed in the document register (S00-20071008-000).

17 4. **AGENDA APPROVAL:** The proposed agenda (S00-20071008-001) was presented.

18 **DECISION: The agenda was approved without objection as submitted (S00-20071008-**
19 **001).**

20 5. **APPROVAL OF PREVIOUS MEETING SUMMARY:** The summary of the TSG-S
21 meeting for August 2007 that was held in Montreal, PQ, Canada (S00-20071008-002) was
22 presented.

23 **DECISION: This meeting summary was approved without objection as submitted**
24 **(S00-20071008-002).**

25 6. **REVIEW OF OUTSTANDING ACTIONS FROM PREVIOUS MEETING:** The action
26 items from the August 2007 face-to-face meeting were noted as follows:

27 061030-01 The Chair requested volunteers to serve in the capacity of WG5 Chair.

28 061030-02 The Chair remanded an action to WG5 to make a recommendation for
29 someone to serve as the WG5 Chair.

30 061030-03 Clif Barber (KDDI) was appointed as the WG5 Coordinator to facilitate WG5
31 conference calls and the identification of a volunteer for the position of WG5 Chair.

32 These actions are still OPEN and on-going.

33 070827-01 Correspondence to all TSGs dated 27 July 2007 regarding CAN QoS from
34 TSG-X (S00-20070827-012) was remanded to all WGs for review and comment
35 with comments to be coordinated by WG1 by closing Plenary.

1 This action was held OPEN until the closing Plenary.

2 070827-02 An LS to External Organizations regarding Material for the Land Mobile
3 handbook on the Deployment of Broadband Wireless Access Systems from ITU-R
4 WP8A (S00-20070827-030) was remanded to all WGs for review and comment with
5 comments to be coordinated by WG1 for forwarding to TSG-C by closing Plenary
6 the October 2007 meeting.

7 This action was held OPEN until the closing Plenary.

8 7. CORRESPONDENCE AND LIAISON REPORTS:

9 • OP: No contributions or discussion.

10 • SC: No contributions or discussion.

11 • 3GPP2 SECRETARIAT: The following contributions were discussed:

12 • E-mail correspondences regarding SC level review and approval of S.R0120-
13 0 v1.0 All-IP System MMD Policy Enhancements System Requirements
14 (S00-20071008-011) was presented from the 3GPP2 Secretariat. **ACTION:**
15 **This contribution was remanded to WG1 as FYI.**

16 • E-mail correspondences regarding SC level review and approval of S.R0123-
17 0 v1.0 Enhanced MMD Security Stage 1 Requirements (S00-20071008-012)
18 was presented from the 3GPP2 Secretariat. **ACTION: This contribution**
19 **was remanded to WG1 as FYI.**

20 • E-mail correspondences dated 5 September 2007 regarding SC level adoption
21 of two (2) Work Item Worksheets (S00-20071008-013) was presented from
22 the 3GPP2 Secretariat. **ACTION: This contribution was remanded to**
23 **WG3 as FYI.**

24 • V&V comments on S.P0078-B v0.2 Common Security Algorithms (S00-
25 20071008-014) was presented from the 3GPP2 Secretariat. **ACTION: This**
26 **contribution was remanded to WG4 for review and action as**
27 **appropriate.**

28 • E-mail correspondences dated 5 September 2007 regarding SC level review
29 of three (3) Work Item Worksheets (S00-20071008-015) was presented from
30 the 3GPP2 Secretariat. **ACTION: This contribution was remanded to**
31 **WG3 as FYI.**

32 • E-mail correspondence dated 20 September 2007 regarding withdrawal of
33 Work Item 3GPP2-00177 Emergency and Multimedia Priority Service
34 Support in HRPD (S00-20071008-016) was presented from the 3GPP2
35 Secretariat. **ACTION: This contribution was remanded to WG3 as FYI.**

- 1 • E-mail correspondences dated 26 September 2007 regarding OP approval of
2 revised 3GPP2 Project Partnership Agreement regarding the expansion of
3 scope to 3rd Generation and beyond Mobile Systems (S00-20071008-017)
4 was presented from the 3GPP2 Secretariat. **ACTION: This contribution**
5 **was remanded to WG3 for review and comment with respect to the TSG-**
6 **S Terms of Reference by the closing Plenary of the November 2007**
7 **meeting and to all other WGs as FYI.**
- 8 • V&V comments regarding S.P0078-B v0.2 Common Security Algorithms
9 (S00-20071008-018) was presented from the 3GPP2 Secretariat. **ACTION:**
10 **This contribution was remanded to WG4 for review and action as**
11 **appropriate.**
- 12 • 3GPP2/CDG press release dated 24 September 2007 regarding ULTRA
13 MOBILE BROADBAND (UMB) SPECIFICATION IS PUBLISHED (S00-
14 20071008-019) was presented from the 3GPP2 Secretariat as FYI for TSG-S.
- 15 • MEID Administration Report for 31 August 2007 (S00-20071008-020) was
16 presented from the 3GPP2 Secretariat. **ACTION: This contribution was**
17 **remanded to WG1 as FYI.**
- 18 • E-mail correspondence dated 1 October 2007 regarding Common Security
19 Algorithms in HRPD (S00-20071008-028) was presented from the 3GPP2
20 Secretariat. **ACTION: This contribution was remanded to WG4 as FYI.**
- 21 • V&V comments regarding S.P0115-0 v1.2 All-IP Network Emergency Call
22 Support (S00-20071008-031) was presented from the 3GPP2 Secretariat.
23 **ACTION: This contribution was remanded to WG1 for review and**
24 **action as appropriate.**
- 25 • MEID Administrator Report for 30 September 2007 (S00-20071008-033)
26 was presented from the 3GPP2 Secretariat. **ACTION: This contribution**
27 **was remanded to WG1 as FYI.**
- 28 • UIM ID Administrator Report for 30 September 2007 (S00-20071008-034)
29 was presented from the 3GPP2 Secretariat. **ACTION: This contribution**
30 **was remanded to WG1 as FYI.**
- 31 • 3GPP2 Workplan for October 2007 (S00-20071008-035) was presented from
32 the 3GPP2 Secretariat. **ACTION: This contribution was remanded to all**
33 **WGs for review and comment with comments to be coordinated by WG3.**
- 34 • TSG-A: Correspondence dated 31 August 2007 regarding TSG-A Work Item, Stage
35 1, LS, and SC Documents for Review (S00-20071008-007) was presented from
36 TSG-A. **ACTION: This contribution was remanded to WG3 for review and**
37 **action as appropriate.**

- 1 • TSG-C: The following contributions were discussed:
- 2 • The TSG-C Liaison Report for October 2007 (S00-20071008-003) was
3 presented from the TSG-C Liaison as FYI for TSG-S. **ACTION:**
4 **Attachment A was remanded to WG3 for review and action as**
5 **appropriate.**
- 6 • Correspondence dated 31 August 2007 regarding Comments on 3GPP2 WI-
7 00190 (S00-20071008-004) was presented from TSG-C. **ACTION: This**
8 **contribution was remanded to WG3 for review and action as**
9 **appropriate.**
- 10 • Correspondence to NGMN dated 31 August 2007 regarding the NGMN
11 Alliance Performance Evaluation Methodology (S00-20071008-005) was
12 presented from TSG-C as FYI for TSG-S.
- 13 • Correspondence dated 31 August 2007 regarding Transfer of Workplan
14 Activities to WG1 (S00-20071008-006) was presented from TSG-C.
15 **ACTION: This contribution was remanded to WG3 for review and**
16 **action as appropriate.**
- 17 • TSG-X: The following contributions were discussed:
- 18 • Correspondence dated 31 August 2007 regarding Review Items (S00-
19 20071008-008) was presented from TSG-X. **ACTION: This contribution**
20 **was remanded to WG3 for review and action as appropriate.**
- 21 • Correspondence dated 31 August 2007 regarding 2G R-UIM IMS Security
22 (S00-20071008-009) was presented from TSG-X. **ACTION: This**
23 **contribution was remanded to WG4 for review and action as**
24 **appropriate.**
- 25 • Correspondence to the 3GPP2 SC Chair and all TSGs dated 31 August 2007
26 regarding Common IMS (S00-20071008-010) was presented from TSG-X.
27 **ACTION: This contribution was remanded to all WGs for review and**
28 **comment with comments to be coordinated by WG3.**
- 29 • TIA: The following contributions were discussed:
- 30 • E-mail correspondences dated 20 September 2007 regarding simplification of
31 TIA transposition process (S00-20071008-021) was presented from TIA
32 TR45.2. **ACTION: This contribution was remanded to all WGs as FYI.**
- 33 • Correspondence dated 10 September 2007 regarding TIA Legal Comments
34 on S.S0086, S.S0109, and S.S0114 (S00-20071008-022) was presented from
35 TIA AHAG. **ACTION: This contribution was remanded to WG4 for**
36 **review and action as appropriate.**

- 1 • Correspondence dated 10 September 2007 regarding request for extension of
2 V&V review period for S.P0078-B v1.0 Common Security Algorithms (S00-
3 20071008-023) was presented from TIA TR45. **ACTION: This**
4 **contribution was remanded to WG4 for review and action as**
5 **appropriate.**
- 6 • Correspondence dated 3 October 2007 regarding Ballot comments for TIA-
7 1133 (S.P0115-0) All-IP Network Emergency Call Support Stage 1
8 Requirements (S00-20071008-029) was presented from TIA TR45.2.
9 **ACTION: This contribution was remanded to WG1 for review and**
10 **action as appropriate.**
- 11 • ITU: The following contributions were discussed:
- 12 • LS dated 7 September 2007 regarding collaboration for developing Rec.
13 M.sms Security management systems functional requirements (S00-
14 20071008-026) was presented from ITU-T SG4. **ACTION: This**
15 **contribution was remanded to WG4 and WG5 for review and action as**
16 **appropriate.**
- 17 • LS dated 7 September 2007 regarding re-chartering of the NGN Management
18 Focus Group (S00-20071008-027) was presented from ITU-T SG4.
19 **ACTION: This contribution was remanded to WG5 for review and**
20 **action as appropriate.**
- 21 • 3GPP: No contributions or discussion.
- 22 • 3GPP TSG-SA5 and T1M1: An LS dated 31 August 2007 on Co-ordination of IMS
23 NRM changes (S00-20071008-024) was presented from 3GPP SA5. **ACTION:**
24 **This contribution was remanded to WG5 for review and action as appropriate.**
- 25 • IEEE or WiFi Alliance: No contributions or discussion.
- 26 • OMA: The following contributions were discussed:
- 27 • An LS dated 12 September 2007 on GBA work in 3GPP2 and OMA CIBA
28 (S00-20071008-025) was presented from OMA SEC. **ACTION: This**
29 **contribution was remanded to WG3 and WG4 for review and action as**
30 **appropriate.**
- 31 • An LS dated 12 September 2007 regarding New AVPs for OMA Charging
32 Requirements (S00-20071008-032) was presented from OMA MCC.
33 **ACTION: This contribution was remanded to WG1 and WG3 for**
34 **review and action as appropriate.**
- 35 • CDG: Correspondence dated 1 October 2007 regarding IETF Internet Draft
36 References in 3GPP2 Published Documents (S00-20071008-030) was presented
37 from CDG. **ACTION: This contribution was remanded to WG3 for review and**
38 **action as appropriate and to all other WGs as FYI.**
- 39 • Other: The following contributions were discussed:
- 40 8. NEW/OLD BUSINESS: No contributions or discussion.

1 9. WORKING GROUP AND ADHOC BUSINESS:

- 2 • WG1 REQUIREMENTS: WI proposal and proposed requirements text for support
3 for legacy CS terminals by IMS Centralized Services (S00-20071008-037) was
4 presented from NEC and KDDI. **ACTION: This contribution was remanded to**
5 **WG1 and WG3 for review and action as appropriate.**
- 6 • WG2 ARCHITECTURE: No contributions or discussion.
- 7 • WG3 PMT: **DECISION: Work Item 3GPP2-00182 Miscellaneous**
8 **Enhancements to the IP Multi-Media Domain (S00-20071008-036) was**
9 **approved without objection for distribution by the PMT Manager for SC level**
10 **review as available from the 3GPP2 website.**
- 11 • WG4 SECURITY: V&V comments on S.P0078-B v0.2 Common Security
12 Algorithms (S00-20071008-014) was presented from Qualcomm. **ACTION: This**
13 **contribution was remanded to WG4 for review and action as appropriate.**
- 14 • WG5 OAM&P: No contributions or discussion.

15 This session was recessed on 8 October 2007 at 2:55 PM local time.

16

17

18 **CLOSING PLENARY**

19 The meeting was reconvened on 11 October 2007 at 1:42 PM local time by TSG-S Chair, Nick
20 Yamasaki (KDDI).

21 Quorum was established at the opening Plenary and not challenged at this time. There were four (4)
22 additional 3GPP2 individual member companies noted in attendance.

23

24 10. WORKING GROUP REPORTS:

- 25 • WG1 REPORT: The WG1 report (S00-20071008-101) was presented by WG1
26 Chair, Alex Gogic (QUALCOMM), as FYI.
- 27 • Documents being recommended for publication:
28 • S.P0115-0 All IP Emergency Call Support Stage 1
- 29 • Documents being recommended for V&V review: None
- 30 • Documents being recommended for TSG review:
31 • S.P0106-A v0.1 Packet-Switched Video Telephony, Stage-1
32 Requirements
33 • S.P0130-0 v0.2 UMB/(E)UTRA Inter-technology Interworking
- 34 • Progressed the development of the following documents:
35 • S.P0106-A Packet-switched Video Telephony
36 • S.P0115-0 All IP Emergency Call Support
37 • S.P0125-0 VoIP Supplementary Service Descriptions

- 1 • S.P0126-0 System Enhancements for Femto and Pico Cells
- 2 • S.P0130-0 Inter-Technology Interworking
- 3 • S.P0131-0 IMS Centralized Services

4 • A conference call has been scheduled for 24 October 2007 starting at 8 PM
5 Eastern Time (North America), October 25 AM in Asia, to progress the
6 development of OAM&P requirements of S.P0126-0 System Enhancements
7 for Femto and Pico Cells.

8 • A joint meeting will be scheduled between TSG-X MMD, WG1, and WG4
9 on common IMS planning on Tuesday during the 3-5 PM period in Osaka.

10 **DECISION: S.P0106-A v0.1 PSVT Stage 1 (S00-20071008-110) was approved**
11 **without objection for TSG review.**

12 **DECISION: Proposed correspondence to all TSGs announcing TSG review of**
13 **S.P0106-A v0.1 PSVT Stage 1 (S00-20071008-111R1) was approved without**
14 **objection for transmission with S00-20071008-110 as an attachment.**

15 **DECISION: S.P0115-0 All IP Emergency Call Support Stage 1 (S00-20071008-**
16 **112) was approved without objection for publication S.R0115-0 v2.0.**

17 **DECISION: Proposed correspondence to TIA TR45.2 regarding resolution of**
18 **ballot comments regarding S.P0115-0 All IP Emergency Call Support Stage 1**
19 **(S00-20071008-113R1) was approved without objection for transmission with its**
20 **attachment.**

21 **DECISION: Summary and status report presentation of S.P0126-0 for the**
22 **3GPP2 Femto Cell Workshop (S00-20071008-114) was approved without**
23 **objection for submission to the 3GPP2 Femto Cell Workshop.**

- 24 • Mike Dolan (Alcatel-Lucent) was appointed to be the presenter of this
25 status report to the 3GPP2 Femto Cell Workshop.
- 26 • S.P0126-0 v0.1.4 System Enhancements for Femto and Pico Cells Stage 1
27 (S00-20071008-114A) was approved for submission to the 3GPP2 Femto
28 Cell Workshop and to all TSGs as FYI.

29 **DECISION: Proposed correspondence to all TSGs regarding 3GPP2 Femto**
30 **Cell Workshop (S00-20071008-117R3) was approved without objection for**
31 **transmission with its attachment and S.P0126-0 v0.1.4 System Enhancements**
32 **for Femto and Pico Cells Stage 1 (S00-20071008-114A) included as attachment**
33 **C.**

34 The 3GPP2 Femto Cell Workshop welcome package (S00-20071008-114C) was
35 noted as FYI.

36 **DECISION: S.P0130-0 v0.2 UMB/(E)UTRA Inter-technology Interworking**
37 **(S00-20071008-115) was approved without objection for TSG review.**

1 **DECISION: Proposed correspondence to all TSGs announcing TSG review of**
2 **S.P0130-0 v0.2 UMB/(E)UTRA Inter-technology Interworking (S00-20071008-**
3 **116R1) was approved without objection for transmission with S00-20071008-**
4 **115 as an attachment.**

5 **ACTION: WG1 schedule (S00-20071008-101A) is remanded to WG3 for review**
6 **and action as appropriate.**

- 7 • WG2 REPORT: The WG2 report (S00-20071008-102) was presented by WG2
8 Chair, Scott Marin (Motorola), as FYI.

- 9 • Progressed the development of the following documents:

- 10 • S.P0124-0 IP-Based Evolved NAM

- 11 • WG2 hosted a lunch discussion regarding S.P0124-0 v0.3 of the IPBE NAM.
12 During discussion, it was decided to link the release for V&V of S.R0124 to
13 the release for publication of X.S0054-000-0 v1.0 (which contains the CAN
14 architecture) by TSG-X.

15 **ACTION: WG2 updates to the TSG-S Workplan (S00-20071008-102A) were**
16 **remanded to WG3 for review and action as appropriate.**

- 17 • WG3 REPORT: The WG3 report (S00-20071008-103R1) was presented by WG3
18 Chair, Eileen McGrath (NEC), as FYI. This report was not reviewed in detail.

19 **DECISION: The following WIs were approved without objection for**
20 **distribution by the PMT Manager for TSG review as available from the 3GPP2**
21 **website unless indicated as a contribution number below:**

- 22 • **3GPP2-00200: Test Signaling Specification for MEID Rev A**

23 **DECISION: The following WIs were approved without objection for**
24 **distribution by the PMT Manager for SC level review as available from the**
25 **3GPP2 website unless indicated as a contribution number below:**

- 26 • **3GPP2-00134R1: Priority Service for NGN**

- 27 • **3GPP2-00187: Enhancements to Packet Switched Video Telephony**
28 **Services (PSVT) (S00-20071008-103D)**

- 29 • **3GPP2-00191: Security Framework for UMB/CAN Networks ((S00-**
30 **20071008-103E)**

31 **DECISION: Proposed correspondence to all TSGs regarding 3GPP2-00190:**
32 **Supplementary Services for VoIP (S00-20071008-118R1) was approved without**
33 **objection for transmission.**

34 **DECISION: Proposed correspondence to all TSGs regarding 3GPP2-00191:**
35 **Security Framework for UMB/CAN Networks (S00-20071008-119R2) was**
36 **approved without objection for transmission with its attachment.**

37 **DECISION: Proposed correspondence to all TSGs regarding 3GPP2-00192:**
38 **Tunneling of High Rate Packet Data and 1x packets over UMB (S00-20071008-**
39 **120) was approved without objection for transmission with its attachment.**

1 **DECISION: Proposed correspondence to all TSGs regarding 3GPP2-00194:**
2 **IMS Centralized Service (ICS) (S00-20071008-121) was approved without**
3 **objection for transmission with its attachment.**

4 **DECISION: Proposed correspondence to TSG-X regarding Common IMS**
5 **(S00-20071008-122R1) was approved without objection for transmission.**

6 **DECISION: Proposed correspondence all TSGs regarding schedule of review**
7 **sessions for SC.R2005-002: UMB-1 System Release Guide (S00-20071008-**
8 **123R1) was approved without objection.**

- 9 • WG4 REPORT: The WG4 report (S00-20071008-104) was presented by WG4
10 Chair, Anand Palanigounder (Qualcomm), as FYI.
- 11 • Progressed the work of the following:
- 12 • Discussed various replay protection mechanisms when using 2G R-
13 UIM with AKA
 - 14 • Discussed a way forward for completing GBA work.
 - 15 • Started resolving available V&V comments on S.P0078-B and TIA
16 legal comments on S.S0086, S.S0109 and S.S0114
 - 17 • Met with TSG-X MMD on Tuesday from 13:00-14:30 to discuss
18 possible work transfer mechanisms as part of common IMS
 - 19 • Met with WG1 on Wednesday from 13:00–15:30 to discuss the
20 security requirements for Femto Cell Stage 1 (S.P0126) and achieved
21 a good progress.
- 22 • WG4 agreed to hold a conference call on 22 October 2007 during 8:00-10:00
23 PM US east coast time to discuss and further progress work on protection
24 mechanisms when using 2G R-UIM with AKA.

25 **DECISION: Proposed correspondence to TSG-X regarding 2G R-UIM IMS**
26 **security (S00-20071008-124) was approved without objection for transmission**
27 **with its attachment.**

28 **DECISION: Proposed correspondence to TSG-X regarding Generic**
29 **Bootstrapping Architecture (GBA) (S00-20071008-125) was approved without**
30 **objection for transmission with its attachment.**

- 31 • WG5 REPORT: The WG5 report (S00-20071008-105) was presented by WG5
32 Coordinator, Clif Barber (KDDI), as FYI.

33 **ACTION: This contribution was remanded to WG3 for review and action as**
34 **appropriate with respect to results of WG5 WI review.**

35 **DECISION: S.P0028-00x-C OAM&P for cdma2000 (S00-20071008-106) was**
36 **approved without objection for publication S.S0028-00x-C v2.0.**

37 Response to S.P0028-00x-C V&V Comments (S00-20071008-107) was presented as
38 FYI for TSG-S.

39 11. ADDITIONAL CORRESPONDENCE AND LIAISON REPORTS:

- 40 • OP: No contributions or discussions.

- 1 • SC: No contributions or discussions.
- 2 • 3GPP2 SECRETARIAT: The following contributions were discussed:
- 3 • E-mail correspondence dated 10 October 2007 regarding Three (3) Work
4 Items Adopted (S00-20071008-109) was presented from the 3GPP2
5 Secretariat. **ACTION: This contribution was remanded to WG3 for
6 review and action as appropriate.**
- 7 • E-mail correspondence dated 11 October 2007 regarding Review of TSG
8 Terms of Reference (S00-20071008-126) was presented from the 3GPP2
9 Secretariat. **ACTION: This contribution was remanded to WG3 as FYI.**
- 10 **ACTION: All WGs are requested to review the TSG-S Terms of
11 Reference in light of the revised 3GPP2 PPA (S00-20071008-017) and
12 forward any comments to WG3 for consolidation by the closing Plenary
13 in November 2007.**
- 14 • TSG-A: No contributions or discussions.
- 15 • TSG-C: No contributions or discussions.
- 16 • TSG-X: No contributions or discussions.
- 17 • TIA: No contributions or discussions.
- 18 • ITU: No contributions or discussion.
- 19 • 3GPP: No contributions or discussion.
- 20 • 3GPP TSG-SA5 and T1M1: No contributions or discussion.
- 21 • IEEE or WiFi Alliance: No contributions or discussion.
- 22 • OMA: No contributions or discussion.
- 23 • CDG: No contributions or discussion.
- 24 • Other: No contributions or discussion.
- 25 12. NEW BUSINESS (continued): The following issues were discussed:
- 26 • The Chair announced that the TSG-S Leadership Team was organizing to present
27 3GPP2 logo T-shirts to be distributed to TSG-S participants and contributors in
28 Osaka.
- 29 • TSG-S Vice-Chair, Jane Brownley (Alcatel-Lucent), was appointed as the
30 coordinator for recommended recipients list.
- 31 • All WG Chairs and the TSG-S Secretary were requested to review the TSG-S
32 participant database to indicate names of contributing participants in their
33 WG as T-shirt recipients to Jane Brownley.
- 34 • This TSG-S effort may be joined by other TSGs.

1 13. OLD BUSINESS (continued):

- 2 • The TSG-S Document Status Table (S00-20071008-100) was presented and
 3 reviewed. **DECISION: This contribution (S00-20071008-100R2) was approved**
 4 **pending final review by WG Chairs and document Editors by COB Tuesday**
 5 **16 October 2007.**

6 14. ADMINISTRATION, OPEN ACTION ITEMS, AND OTHER BUSINESS:

- 7 • The future meeting schedule for TSG-S is noted as follows:

5-8 November 2007	Hotel New Otani Osaka in Osaka, Japan
3-6 December 2007	Grand Hyatt Kauai in Kauai, HI, USA
14-17 January 2008	Hollywood, CA, USA

- 8 • Although not explicitly reviewed during the meeting, the assignments, other than
 9 document remands, action items that were not completed at this meeting are
 10 summarized as follows:

11 061030-01 The Chair requested volunteers to serve in the capacity of WG5 Chair.

12 061030-02 The Chair remanded an action to WG5 to make a recommendation for
 13 someone to serve as the WG5 Chair.

14 061030-03 Clif Barber (KDDI) was appointed as the WG5 Coordinator to facilitate WG5
 15 conference calls and the identification of a volunteer for the position of WG5 Chair.

16 070827-01 Correspondence to all TSGs dated 27 July 2007 regarding CAN QoS from
 17 TSG-X (S00-20070827-012) was remanded to all WGs for review and comment
 18 with comments to be coordinated by WG1 by the October 2007 closing Plenary.

19 070827-02 An LS to External Organizations regarding Material for the Land Mobile
 20 handbook on the Deployment of Broadband Wireless Access Systems from ITU-R
 21 WP8A (S00-20070827-030) was remanded to all WGs for review and comment with
 22 comments to be coordinated by WG1 for forwarding to TSG-C by closing Plenary
 23 the October 2007 meeting.

24 071008-01 E-mail correspondences dated 26 September 2007 regarding OP approval of
 25 revised 3GPP2 Project Partnership Agreement regarding the expansion of scope to
 26 3rd Generation and beyond Mobile Systems (S00-20071008-017) from the 3GPP2
 27 Secretariat was remanded to WG3 for review and comment with respect to the TSG-
 28 S Terms of Reference by the closing Plenary of the November 2007 meeting and to
 29 all other WGs as FYI. All WGs are requested to review the TSG-S Terms of
 30 Reference in light of the revised 3GPP2 PPA (S00-20071008-017) and forward any
 31 comments to WG3 for consolidation by the closing Plenary in November 2007.

32 The Plenary was adjourned on 11 October 2007 at 4:25 PM local time.

33

NUMBER	SUBJECT	SOURCE	ACTION
OPENING PLENARY – S00-20071008-			
000	DOCUMENT REGISTER	SECRETARY	FYI
001	AGENDA	CHAIR	APPROVAL
002	TSG-S Meeting Summary – August 2007 – Montreal, PQ, Canada	SECRETARY	APPROVAL
003	TSG-C Liaison Report – August 2007	TSG-C LIAISON	FYI
004	Correspondence dated 31 August 2007 regarding Comments on 3GPP2 WI-00190	TSG-C	WG3
005	Correspondence to NGMN dated 31 August 2007 regarding the NGMN Alliance Performance Evaluation Methodology	TSG-C	FYI
006	Correspondence dated 31 August 2007 regarding Transfer of Workplan Activities to WG1	TSG-C	WG3
007	Correspondence dated 31 August 2007 regarding TSG-A Work Item, Stage 1, LS, and SC Documents for Review	TSG-A	WG3
008	Correspondence dated 31 August 2007 regarding Review Items	TSG-X	WG3
009	Correspondence dated 31 August 2007 regarding 2G R-UIM IMS Security	TSG-X	WG4
010	Correspondence to the 3GPP2 SC Chair and all TSGs dated 31 August 2007 regarding Common IMS	TSG-X	ALL WGs
011	E-mail correspondences regarding SC level review and approval of S.R0120-0 v1.0 All-IP System MMD Policy Enhancements System Requirements	3GPP2 SECRETARIAT	WG1
012	E-mail correspondences regarding SC level review and approval of S.R0123-0 v1.0 Enhanced MMD Security Stage 1 Requirements	3GPP2 SECRETARIAT	WG1
013	E-mail correspondences dated 5 September 2007 regarding SC level adoption of two (2) Work Item Worksheets	3GPP2 SECRETARIAT	WG3
014	V&V comments on S.P0078-B v0.2 Common Security Algorithms	QUALCOMM	WG4
015	E-mail correspondences dated 5 September 2007 regarding SC level review of three (3) Work Item Worksheets	3GPP2 SECRETARIAT	WG3
016	E-mail correspondence dated 20 September 2007 regarding withdrawal of Work Item 3GPP2-00177 Emergency and Multimedia Priority Service Support in HRPD	3GPP2 SECRETARIAT	WG3

NUMBER	SUBJECT	SOURCE	ACTION
017	E-mail correspondences dated 26 September 2007 regarding OP approval of revised 3GPP2 Project Partnership Agreement regarding the expansion of scope to 3rd Generation and beyond Mobile Systems	3GPP2 SECRETARIAT	ALL WGs
018	V&V comments regarding S.P0078-B v0.2 – Common Security Algorithms	3GPP2 SECRETARIAT	WG4
019	3GPP2/CDG press release dated 24 September 2007 regarding ULTRA MOBILE BROADBAND (UMB) SPECIFICATION IS PUBLISHED	3GPP2 SECRETARIAT	FYI
020	MEID Administration Report – 31 August 2007	3GPP2 SECRETARIAT	WG1
021	E-mail correspondences dated 20 September 2007 regarding simplification of TIA transposition process	TIA TR45.2	ALL WGs
022	Correspondence dated 10 September 2007 regarding TIA Legal Comments on S.S0086, S.S0109, and S.S0114	TIA AHAG	WG4
023	Correspondence dated 10 September 2007 regarding request for extension of V&V review period for S.P0078-B v1.0 Common Security Algorithms	TIA TR45	WG4
024	LS dated 31 August 2007 on Co-ordination of IMS NRM changes	3GPP SA5	WG5
025	LS dated 12 September 2007 on GBA work in 3GPP2 and OMA CIBA	OMA SEC	WG3, WG4
026	LS dated 7 September 2007 regarding collaboration for developing Rec. M.sms - Security management systems functional requirements	ITU-T SG4	WG4, WG5
027	LS dated 7 September 2007 regarding re-chartering of the NGN Management Focus Group	ITU-T SG4	WG5
028	E-mail correspondence dated 1 October 2007 regarding V&V Extension on S.P0078-B v0.2 Common Security Algorithms	3GPP2 SECRETARIAT	WG4
029	Correspondence dated 3 October 2007 regarding Ballot comments for TIA-1133 (S.P0115-0) All-IP Network Emergency Call Support Stage 1 Requirements	TIA TR45.2	WG1
030	Correspondence dated 1 October 2007 regarding IETF Internet Draft References in 3GPP2 Published Documents	CDG	ALL WGs
031	V&V comments regarding S.P0115-0 v1.2 All-IP Network Emergency Call Support	3GPP2 SECRETARIAT	WG1
032	LS dated 12 September 2007 regarding New AVPs for OMA Charging Requirements	OMA MCC	WG1, WG3
033	MEID Administrator Report – 30 September 2007	3GPP2 SECRETARIAT	WG1
034	UIM ID Administrator Report – 30 September 2007	3GPP2 SECRETARIAT	WG1

NUMBER	SUBJECT	SOURCE	ACTION
035	3GPP2 Workplan – October 2007	3GPP2 SECRETARIAT	ALL WGs
036	Work Item 3GPP2-00182 Miscellaneous Enhancements to the IP Multi-Media Domain proposed SC level approval text	WG3	APPROVED
037	WI proposal and proposed requirements text for support for legacy CS terminals by IMS Centralized Services	NEC, KDDI	WG1, WG3
CLOSING PLENARY – S00-20071008-			
101	WG1 Report	WG1	FYI
102	WG2 Report	WG2	FYI
103	WG3 Report	WG3	FYI
104	WG4 Report	WG4	FYI
105	WG5 Report	WG5	FYI
106	S.P0028-00x-C OAM&P for cdma2000 proposed publication text	WG5	APPROVAL
107	Response to S.P0028-00x-C V&V Comments	WG5	FYI
108	Correspondence dated 8 October 2007 regarding Update of WI 3GPP2-00094	TSG-X	WG3
109	E-mail correspondence dated 10 October 2007 regarding Three (3) Work Items Adopted	3GPP2 SECRETARIAT	WG3
110	S.P0106-A v0.1 PSVT Stage 1 proposed TSG review text	WG1	APPROVED
111	Proposed correspondence to all TSGs announcing TSG review of S.P0106-A v0.1 PSVT Stage 1	WG1	APPROVED R1
112	S.P0115-0 All IP Emergency Call Support Stage 1 proposed publication text	WG1	APPROVED
113	Proposed correspondence to TIA TR45.2 regarding resolution of ballot comments regarding S.P0115-0 All IP Emergency Call Support Stage 1	WG1	APPROVED R1
114	Summary and status report presentation of S.P0126-0 for the 3GPP2 Femto Cell Workshop	WG1	APPROVED
115	S.P0130-0 v0.2 UMB/(E)UTRA Inter-technology Interworking proposed TSG review text	WG1	APPROVED
116	Proposed correspondence to all TSGs announcing TSG review of S.P0130-0 v0.2 UMB/(E)UTRA Inter-technology Interworking	WG1	APPROVED R1

NUMBER	SUBJECT	SOURCE	ACTION
117	Proposed correspondence to all TSGs regarding 3GPP2 Femto Cell Workshop	FEMTO CELL WORKSHOP COORDINATOR	APPROVED R3
118	Proposed correspondence to all TSGs regarding 3GPP2-00190: Supplementary Services For VoIP	WG3	APPROVED R1
119	Proposed correspondence to all TSGs regarding 3GPP2-00191: Security Framework for UMB/CAN Networks	WG3	APPROVED R2
120	Proposed correspondence to all TSGs regarding 3GPP2-00192: Tunneling of High Rate Packet Data and 1x packets over UMB	WG3	APPROVED
121	Proposed correspondence to all TSGs regarding 3GPP2-00194: IMS Centralized Service (ICS)	WG3	APPROVED
122	Proposed correspondence to TSG-X regarding Common IMS	WG3	APPROVED R1
123	Proposed correspondence all TSGs regarding schedule of review sessions for SC.R2005-003: UMB-1 System Release Guide	WG3	APPROVED R1
124	Proposed correspondence to TSG-X regarding 2G R-UIM IMS security	WG4	APPROVED
125	Proposed correspondence to TSG-X regarding Generic Bootstrapping Architecture (GBA)	WG4	APPROVED
126	E-mail correspondence dated 11 October 2007 regarding Review of TSG Terms of Reference	3GPP2 SECRETARIAT	WG3

1

1
2

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 v1.0	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	WG5
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	WG5
S.S0028-0	OAM&P Specification v2.0	WG5
S.S0028-0	OAM&P Specification v3.0	WG5
S.S0028-A	OAM&P Specification v3.0	WG5
S.S0028-xxx-B	OAM&P Specification v2.0 – parts 000 through 004	WG5
S.S0028-xxx-C	OAM&P Specification v1.0 – parts 000 through 004	WG5
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
S.P0037-A	3GPP2 NAM v1.0	WG2

PUBLISHED TSG-S SPECIFICATIONS AND REPORTS		
NUMBER	TITLE	RESP
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 v3.0	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 v3.0	WG4
S.R0079-0	End-to-End QoS Stage 1 v1.0	WG1
S.R0079-A	End-to-End QoS v1.0	WG1
S.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
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

PUBLISHED TSG-S SPECIFICATIONS AND REPORTS		
NUMBER	TITLE	RESP
S.S0086-A	3GPP2 IMS Security Framework v1.0	WG4
S.S0086-B	3GPP2 IMS Security Framework v1.0	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 v2.0	WG5
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 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 v1.0	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.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

1
2
3

1

TSG-S PROJECTS IN DEVELOPMENT		
NUMBER	TITLE	RESP
S.P0028-xxx-C	OAM&P	WG5
S.P0076-0	Protocol Alignment Reference	WG3
S.P0078-B	Common Security Algorithms	WG4
S.P0093-A	Definition of Performance Measurement Types	WG5
S.P0119-0	Proximity Mobile Gateway Stage 1	WG1
S.P0124-0	UMB NAM	WG2
S.P0125-0	VoIP Supplementary Services Feature Descriptions	WG1
S.P0126-0	System Enhancements for Femto and Pico Cells SRD	WG1
S.P0127-0	IMS Security for 2G R-UIMs	WG4
S.P0128-0	HRPD and WiMAX Inter-Technology Handoff Stage 1 Requirements	WG1
S.P0129-0	HRPD/1XRTT and 3GPP E-UTRAN (LTE) Interworking and Inter-Technology Handoff Stage 1 Requirements	WG1
S.P0130-0	Interworking and Inter-Technology Handoff for UMB and UTRA/E-UTRA Technologies Stage 1	WG1
S.P0131-0	IMS centralized Services Stage 1	WG1

2

3GPP2 QUORUM ROLL CALL
 TSG-S (Systems and Services Aspects)
 Long Beach, CA, USA
 11-Oct-07

INDIVIDUAL MEMBER COMPANY	Attendance	Attendance	Consec Mtgs Missed (incl this Mtg)	Voting Status	Quorum Status	Voting Status	Quorum Status
	10/8/2007	10/11/2007		for this Mtg	for this Mtg	as of next Mtg*	as of next Mtg*
AIRVANA		1	0	0	0		
ALCATEL-LUCENT	1		0	1	1		
ALLTEL	1		0	1	1		
BELL CANADA			3	0	0		
CHINA UNICOM			0	1	1		
CISCO			3	0	0		
DOCOMO US LABORATORIES			3	0	0		
ERICSSON	1		1	0	0		
ETRI			3	0	0		
FUJITSU			3	0	0		
GEMALTO			1	1	1		
HITACHI	1		0	1	1		
HUAWEI	1		0	1	1		
KDDI	1		0	1	1		
KYOCERA	1		0	1	1		
LG ELECTRONICS			0	1	1		
LG TELECOM			0	1	1		
MOTOROLA	1		0	1	1		
NEC	1		0	1	1		
NEWSTEP NETWORKS	1		0	0	0		
NOKIA			1	0	0		
NOKIA-SIEMENS			1	0	0		
NORTEL NETWORKS	1		0	1	1		
QUALCOMM	1		0	1	1		
RESEARCH IN MOTION			1	0	0		
RITT			1	0	0		
SAMSUNG	1		3	0	0		
SK TELECOM		1	0	1	1		
SPRINT/NEXTEL	1		1	1	1		
TELCORDIA	1		3	0	0		
TELCOWARE			1	1	1		
TELLABS			2	0	0		
US CELLULAR	1	1	2	0	0		
VERIZON WIRELESS	1		0	1	1		
ZTE			0	0	0		
TOTALS	11	1		18	18	0	0
QUORUM CALCULATION	61%	6%					
ADDITIONS							
OBSERVERS AND GUESTS							
ARIB	1						
CDG	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