

1 **Title:**

2 **APPROVED SUMMARY OF TSG-C MEETING**
3 **for 14-18 May 2007 in San Diego, 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-C meetings that were held during the period of
18 14-18 May 2007 in San Diego, 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 of 14-18 May 2007, 3GPP2 TSG-C meetings were held at the Omni San Diego
2 Hotel in San Diego, 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 14 May 2007 at 9:37AM local time by TSG-C Vice-Chair, Soonyl Kwan (LGE), in the
7 absence of TSG-C Chair, Dennis Gentzler (ALLTEL).

8 The Chair welcomed everyone to San Diego.

9 The Chair noted that the objective of this meeting is to approve C.P0084-0 UMB Air
10 Interface specification as baseline and then complete R&F for a V&V release by the closing
11 Plenary. He also noted that two (2) presentations for external conferences that also need to
12 be approved for release.

13 The Chair announced that an interim Plenary has been scheduled for Wednesday at 8:00 AM
14 local time to approve C.P0084 as baseline text and to approve the external presentations.
15 However, during subsequent discussions, this schedule was changed to Thursday at
16 8:00 AM.

17 The Chair announced that a guest would be attending this meeting. He introduced Kutto
18 Milleth of the Centre Excellence in Wireless Technology in India.

19 The Chair appointed Praveen Venkataramu (Gemalto) as the new SWG1.4 Chair.

20 The Chair announced that QUALCOMM would be hosting a social event on Wednesday
21 16 May 2007 during the 6:30-9:30 PM at the San Diego Wine and Culinary Center.

22 The Chair also announced the passing of former TSG-C V&V Chair, John Gabor. The TSG
23 acknowledged the contributions of John Gabor with a moment of silence.

24 2. ATTENDANCE REGISTRATION AND ROLL CALL: A roll call of companies indicated
25 that 27 companies included on the list of 33 active quorum members were present (82%
26 participation). Thus, meeting quorum was achieved.

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

28 3. INTRODUCTION AND NUMBERING OF CONTRIBUTIONS: Contributions were
29 loaded onto the 3GPP2 LAN server and listed in the document register (C00-20070514-
30 000).

31 4. AGENDA APPROVAL: The proposed agenda (C00-20070514-001) was presented.

32 **DECISION: The agenda was approved without objection as modified (C00-20070514-**
33 **001).**

34 5. ASSIGNMENTS OF CONTRIBUTIONS TO AGENDA ITEMS: Contributions were
35 assigned to agenda items as noted on the agenda.

- 1 **6.** APPROVAL OF PREVIOUS MEETING SUMMARY:
- 2 • The summary of the TSG-C meeting for March 2007 that was held in Atlanta, GA,
3 USA (C00-20070514-002) was presented. **DECISION: This meeting summary**
4 **was approved without objection as submitted (C00-20070514-002).**
- 5 • The summary of the TSG-C interim Plenary conference call that was held on 5 April
6 2007 (C00-20070514-042) was presented. **DECISION: This meeting summary**
7 **was approved without objection as submitted (C00-20070514-042R1).**
- 8 **7.** REVIEW OF OUTSTANDING ACTIONS FROM PREVIOUS MEETING: The action
9 items from the March 2007 face-to-face meeting were noted as follows:
- 10 070212-03 The Chair requested that WG5 consider and propose potential options for
11 WG5 meetings time other than the current Wednesday afternoon schedule.
- 12 This action was deferred to the closing Plenary.
- 13 070326-01 A contribution regarding Next Steps in 3GPP2 TSG-C (C00-20070326-
14 026R1) was presented from Alcatel-Lucent was held OPEN at the Plenary level
15 pending further discussions. TSG-C participants were requested to review and
16 comment and bring additional input to this Plenary for the May 2007 meeting.
- 17 This action was deferred to the closing Plenary.
- 18 **8.** CORRESPONDENCE: None.
- 19 **9.** LIAISON REPORTS:
- 20 • OP: No contributions or discussion.
- 21 • SC: No contributions or discussion.
- 22 • 3GPP2 SECRETARIAT: The following contributions were discussed:
- 23 • E-mail correspondences regarding SC level review and approval of C.S0024-
24 B v2.0 cdma2000 High Rate Packet Data Air Interface Specification (C00-
25 20070514-013) was presented from the 3GPP2 Secretariat as FYI for TSG-C.
- 26 • E-mail correspondences regarding SC level review and approval of C.S0038-
27 A v2.0 Signaling Conformance Specification for High Rate Packet Data Air
28 Interface (C00-20070514-014) was presented from the 3GPP2 Secretariat as
29 FYI for TSG-C.
- 30 • E-mail correspondences regarding SC level review and approval of C.S0055-
31 0 v1.0 Packet Switched Video Telephony Services (PSVT/MCS) (C00-
32 20070514-015) was presented from the 3GPP2 Secretariat as FYI for TSG-C.
- 33 • E-mail correspondences regarding SC level review and approval of C.S0062-
34 0 v1.0 Signaling Conformance Test Specification for cdma2000 Data
35 Services (C00-20070514-016) was presented from the 3GPP2 Secretariat as
36 FYI for TSG-C.

- 1 • E-mail correspondences regarding SC level review and approval of C.S0063-
2 A v2.0 cdma2000 High Rate Packet Data Supplemental Services (C00-
3 20070514-017) was presented from the 3GPP2 Secretariat as FYI for TSG-C.
- 4 • E-mail correspondences regarding SC level review and approval of C.S0084-
5 0 v1.0 Ultra Mobile Broadband (UMB) Physical Layer and Upper Layers Air
6 Interface Specification (C00-20070514-018) was presented from the 3GPP2
7 Secretariat as FYI for TSG-C.
- 8 • E-mail correspondences regarding SC level review and approval of C.S0081-
9 0 v1.0 Signaling Conformance Specification for cdma2000 High Rate Packet
10 Data Supplemental Services (C00-20070514-019) was presented from the
11 3GPP2 Secretariat as FYI for TSG-C.
- 12 • E-mail correspondences regarding SC level review of C.S0062-0 v1.0
13 Signaling Conformance Test Specification for cdma2000 Data Services
14 (C00-20070514-020) was presented from the 3GPP2 Secretariat. **ACTION:**
15 **This contribution was remanded to WG4 for review and action as**
16 **appropriate.**
- 17 • E-mail correspondences regarding V&V review of C.P0050-B v0.9 3GPP2
18 File Formats for Multimedia Services (C00-20070514-021) was presented
19 from the 3GPP2 Secretariat as FYI for TSG-C.
- 20 • E-mail correspondences regarding V&V review of C.P0085-0 v0.9 VoIP
21 Codecs and Protocols (C00-20070514-022) was presented from the 3GPP2
22 Secretariat as FYI for TSG-C.
- 23 • E-mail correspondences to TSG-S dated 11 April 2007 regarding Release
24 UMB-1 Report (C00-20070514-023) was presented from the 3GPP2
25 Secretariat. **ACTION: This contribution was remanded to WG5 for**
26 **review and action as appropriate.**
- 27 • E-mail correspondence dated 1 May 2007 regarding 3GPP2 Presentation for
28 IMT Advanced Workshop in Kyoto (C00-20070514-028) was presented from
29 the 3GPP2 Secretariat. **ACTION: This contribution was remanded to**
30 **the Workshop Preparation AdHoc as FYI.**
- 31 • V&V comments regarding C.P0050-B v0.9 3GPP2 File Formats for
32 Multimedia Services (C00-20070514-029) was presented from the 3GPP2
33 Secretariat. **ACTION: This contribution was remanded to WG1 for**
34 **review and action as appropriate.**
- 35 • V&V comments regarding C.P0085-0 v0.9 VoIP Codecs and Protocols (C00-
36 20070514-030) was presented from the 3GPP2 Secretariat. **ACTION:**
37 **This contribution was remanded to WG1 for review and action as**
38 **appropriate.**

- 1 • 3GPP2 Workplan files for March 2007 (C00-20070514-039) was presented
2 from the 3GPP2 Secretariat. **ACTION: This contribution was remanded
3 to all WGs for review and comment with comments to be coordinated by
4 WG5.**
- 5 • TSG-A: No contributions or discussion.
- 6 • TSG-S: The following contributions were discussed:
- 7 • TSG-S Document Status Table for February 2007 (C00-20070514-003) was
8 presented from TSG-S. **ACTION: This contribution was remanded to all
9 WGs for review and comment with comments to be coordinated by WG5.**
- 10 • Correspondence to all TSGs dated 26 March 2007 regarding Proposed Work
11 Item Review (C00-20070514-004) was presented from TSG-S. **ACTION:
12 This contribution was remanded to all WGs for review and comment
13 with comments to be coordinated by WG5.**
- 14 • TSG-X: The following contributions were discussed:
- 15 • Correspondence to TSG-S dated 30 March 2007 regarding Work Item
16 Review (C00-20070514-005) was presented from TSG-X. **ACTION: This
17 contribution was remanded to WG5 for review and action as
18 appropriate.**
- 19 • Correspondence to TSG-S dated 30 March 2007 regarding Review of
20 S.P0121-0 v0.6 3GPP2 Evolved Network SRD (C00-20070514-006) was
21 presented from TSG-X. **ACTION: This contribution was remanded to
22 WG5 for review and action as appropriate.**
- 23 • Correspondence to TSG-S dated 30 March 2007 regarding Review of
24 S.P0120 MMD Enhanced Policy Requirements and S.P0123 Enhanced MMD
25 Security Stage 1 (C00-20070514-007) was presented from TSG-X.
26 **ACTION: This contribution was remanded to WG5 for review and
27 action as appropriate.**
- 28 • Correspondence to TSG-S dated 30 March 2007 regarding Input for the UMB
29 NAM (C00-20070514-008) was presented from TSG-X. **ACTION: This
30 contribution was remanded to all WGs for review and comment with
31 comments to be coordinated by WG5.**
- 32 • Correspondence to TSG-S dated 30 March 2007 regarding VoIP
33 Supplementary Service Descriptions (C00-20070514-009) was presented
34 from TSG-X as FYI for TSG-C.
- 35 • Correspondence to 3GPP SA2 dated 30 March 2007 regarding Response to
36 3GPP With Respect to 3GPP2 Network Evolution (C00-20070514-010) was
37 presented from TSG-X. **ACTION: This contribution was remanded to
38 all WGs as FYI.**

- 1 • Correspondence dated 30 March 2007 regarding OMA OTA Provisioning
2 (C00-20070514-011) was presented from TSG-X. **ACTION: This**
3 **contribution was remanded to WG2 for review and action as**
4 **appropriate.**
- 5 • Correspondence dated 30 March 2007 regarding AltPPP (C00-20070514-
6 012) was presented from TSG-X. **ACTION: This contribution was**
7 **remanded to WG1 for review and action as appropriate and to WG2 as**
8 **FYI.**
- 9 • TR45: The following contributions were discussed:
- 10 • TIA ballot results and comments regarding C.P0050-B (TIA PN-3-0116-RV1,
11 TIA-1015-A) File Formats for Multimedia Services for cdma2000 Spread
12 Spectrum Systems (C00-20070514-040) was presented from TIA TR45.5.
13 **ACTION: This contribution was remanded to WG1 as FYI.**
- 14 • TIA ballot results and comments regarding C.P0085-0 (TIA PN-3-0273, TIA-
15 1122) VoIP Codecs and Protocols for cdma2000 Spread Spectrum Systems
16 (C00-20070514-041) was presented from TIA TR45.5. **ACTION: This**
17 **contribution was remanded to WG1 as FYI.**
- 18 • ITU: The following contributions were discussed:
- 19 • LS dated 30 March 2007 regarding EVRC-WB (C00-20070514-024) was
20 presented from ITU-T WP3. **ACTION: This contribution was remanded**
21 **to WG1 as FYI.**
- 22 • LS dated 30 March 2007 regarding usage of speech database (C00-
23 20070514-025) was presented from ITU-T WP3. **ACTION: This**
24 **contribution was remanded to WG1 for review and action as**
25 **appropriate.**
- 26 • CDG: No contributions or discussion.
- 27 • OMA: The following contributions were discussed:
- 28 • LS to 3GPP and 3GPP2 dated 26 February 2007 regarding Authenticate
29 Response (C00-20070514-026) was presented from OMA BCAST.
30 **ACTION: This contribution was remanded to WG1 for review and**
31 **action as appropriate.**
- 32 • LS dated 18 April 2007 regarding Smart Card File Identifiers for OMA DM
33 and OMA CP (C00-20070514-027) was presented from OMA DM.
34 **ACTION: This contribution was remanded to WG1 for review and**
35 **action as appropriate.**
- 36 • 3GPP/ETSI: No contributions or discussion.
- 37 • Other: No contributions or discussion.

1 10. WORKING GROUP REPORTS:

- 2 • WG1 REPORT: A verbal report of WG1 activities was presented by WG1 Chair,
3 Doug Dunn (Kyocera), as FYI for TSG-C.

4 **DECISION: C.P1010-0 v0.1 Software Distribution for H.263 Video Codec for**
5 **3GPP2 Packet Switched Multimedia Services (C00-20070514-034) was**
6 **approved without objection as baseline text and remanded back to WG1 for**
7 **R&F.**

8 **DECISION: C.P0083-0 v0.1 Video Codec for 3GPP2 Packet Switched**
9 **Multimedia Services - H.263 Proposed Baseline Text (C00-20070514-035) was**
10 **approved without objection as baseline text and remanded back to WG1 for**
11 **R&F.**

- 12 • WG2 REPORT: A verbal report of WG2 activities was presented by WG2 Chair,
13 Orlett Pearson (Alcatel-Lucent), as FYI.

14 No actions were requested of the Plenary at this time.

- 15 • WG3 REPORT: A verbal report of the WG3 activities was presented by WG3 Chair,
16 Ed Tiedemann (QUALCOMM), as FYI.

17 No actions were requested of the Plenary at this time.

- 18 • WG4 REPORT: A verbal report of the WG4 activities was presented by Kurt Bantle
19 (Spirent) as FYI.

20 No actions were requested of the Plenary at this time.

- 21 • WG5 REPORT: A verbal report of WG5 activities was presented by WG5 Chair,
22 Bjorn Hjelm (ALLTEL), as FYI.

23 No actions were requested of the Plenary at this time.

- 24 • WORKSHOP PREPARATION ADHOC: A verbal report of the Workshop
25 Preparation AdHoc activities was presented by Workshop Preparation AdHoc Co-
26 Chair, Clif Barber (KDDI), as FYI.

27 E-mail correspondence dated 2 May 2007 regarding 3GPP2 Presentation for IMT
28 Advanced Workshop in Kyoto (C00-20070514-031) was presented from the Chair as
29 FYI for TSG-C.

30 A draft presentation regarding 3GPP2 Efforts Towards IMT-Advanced featuring
31 UMB™ (Ultra Mobile Broadband) System Release 1 (C00-20070514-036) was
32 presented from the Workshop Preparation AdHoc. **ACTION: This contribution**
33 **was remanded to all WGs for review and comment with comments to be**
34 **coordinated by the Workshop Preparation AdHoc for approval at the interim**
35 **Plenary.**

36 11. OLD BUSINESS: The following contributions were discussed:

- 37 • A Proposed WI for EV-DO and 1x tunneling over UMB (C00-20070514-032) was
38 presented from Airvana, Nortel Networks, and QUALCOMM. **ACTION: This**
39 **contribution was remanded to WG5 for completeness and consistency checks.**

- 1 • Proposed WI for cdma2000 System Enhancements for Femto and Pico Cell Support
2 (C00-20070514-043) was presented from Airvana, Sprint-Nextel, and QUALCOMM.
3 **ACTION: This contribution was remanded to WG5 for completeness and**
4 **consistency checks.**
- 5 • E-mail correspondence dated 11 May 2007 regarding an LTE summit in Berlin
6 (C00-20070514-038) was presented from the Chair as FYI for TSG-C.

7 12. ITU PROCESS/APPROVAL: No contributions or discussion.

8 13. NEW BUSINESS: The following contributions were discussed:

- 9 • A draft presentation for LTE Summit (C00-20070514-043) had been prepared by
10 QUALCOMM at the direction of the Chair. **ACTION: This contribution was**
11 **remanded to all WGs for review and comment with comments to be**
12 **coordinated by WG3 for approval at the interim Plenary.**
- 13 • A presentation on cdma2000 Enhancements to Support Femto and Pico Cells (C00-
14 20070514-033) was presented by Airvana. **ACTION: This contribution was**
15 **remanded to WG1, WG2, and WG3 as FYI.**
- 16 • A Presentation on the Femto cell BTS (C00-20070514-045R1) was presented by LG
17 Telecom. **ACTION: This contribution was remanded to WG1, WG2, and WG3**
18 **as FYI.**
- 19 • Proposed requirements for the Femto cell BTS (C00-20070514-046R1) was
20 presented by LG Telecom. **ACTION: This contribution was remanded to WG1,**
21 **WG2, and WG3 as FYI.**
- 22 • Ed Tiedemann (QUALCOMM) noted that he had independently contacted 3GPP
23 regarding an LTE summit on 28 May 2007 and he confirmed an understanding of the
24 presentation requirements. However, 3GPP has still not issued a formal invitation to
25 3GPP2 to this summit.
- 26 The Chair has tentatively scheduled as interim Plenary conference call on 24 May
27 2007, in part, to approve a presentation to that workshop.
- 28 • WG2 and WG3 both indicated concerns regarding the rescheduling of the interim
29 Plenary this week from the previously planned Thursday date to Wednesday. At
30 their request, the Chair rescheduled the interim Plenary to Thursday at 8:00 AM.

31 This session was recessed on 14 May 2007 at 11:00 AM local time.

32

33

34 **INTERIM PLENARY:**

35 The meeting was reconvened on 17 May 2007 at 8:15 AM local time.

36 Quorum was established at the opening Plenary and not challenged at this time. There were no
37 additional 3GPP2 individual member companies on the active roster that were noted in attendance.

1 The Chair thanked the leadership team, especially Vice Chair, Soonyl Kwan (LGE), for handling
2 the opening Plenary in his absence.

3 The Chair also noted that this will be the last meeting of SWG2.3 Chair, Ragulan Sinnarajah
4 (QUALCOMM). The Chair thanked Ragulan, on behalf of the TSG, for his excellent service and
5 contributions to the TSG.

6 The Chair thanked QUALCOMM for their sponsorship of the 3GPP2 social event last evening.

7

8 10. WORKING GROUP REPORTS (continued):

9 • WG1 REPORT: No report.

10 • WG2 REPORT: A verbal report of WG2 status was presented by WG2 Chair, Orlett
11 Pearson (Alcatel-Lucent), as FYI.

12 **DECISION: C.P0084-0 v1.5 Intro and Upper Layers UMB™ Air Interface**
13 **Specification (C00-20070514-054) was approved without objection as baseline**
14 **text and remanded back to WG2 for R&F.**

15 • WG3 REPORT: A verbal report of the WG3 status was presented by WG3 Chair,
16 Ed Tiedemann (QUALCOMM), as FYI.

17 **DECISION: C.P0084-0 PHY UMB™ Air Interface Specification (C00-**
18 **20070514-052) was approved without objection as baseline text and remanded**
19 **back to WG3 for R&F.**

20 **ACTION: The final draft of 3GPP2 Evolution and UMB™ (Ultra Mobile**
21 **Broadband) (C00-20070514-053) was remanded to all WGs for review and**
22 **comment with comments to be coordinated by WG3 by COB today.**

23 • WG4 REPORT: No report.

24 • WG5 REPORT: A verbal report of the WG5 status was presented by WG5 Chair,
25 Bjorn Hjelm (ALLTEL), as FYI.

26 **DECISION: Proposed correspondence to TSG-S regarding Stage 1 Review**
27 **(C00-20070514-051) was approved for transmission.**

28 • WORKSHOP PRESENTATION ADHOC: A verbal report of the Workshop
29 Preparation AdHoc status was presented by AdHoc Co-Chair, Clif Barber (KDDI),
30 as FYI.

31 **DECISION: Final draft presentation on 3GPP2 Efforts Towards IMT-**
32 **Advanced featuring UMB™ (Ultra Mobile Broadband) System Release 1 (C00-**
33 **20070514-050) was approved without objection for submission for SC review**
34 **pending confirmation of data rates by WG3 today.**

35 The Chair noted that Vasu Vasuderan (Alcatel-Lucent) would probably be the
36 presenter in Kyoto.

37 The Chair thanked to AdHoc Co-Chairs for their effort. The Workshop Preparation
38 AdHoc was disbanded since their charter has now been completed.

1 The meeting was recessed on 17 May 2007 at 8:38 AM local time.

2

3

4 **CLOSING PLENARY:**

5 The meeting was reconvened on 18 May 2007 at 8:45 AM local time.

6 Quorum was established at the opening Plenary and not challenged at this time. One (1) additional
7 3GPP2 individual member company was noted in attendance.

8

9 14. WORKING GROUP REPORTS:

- 10 • WG1 REPORT: The WG1 report (C00-20070514-101) was presented by WG1 Chair,
11 Doug Dunn (Kyocera), as FYI.
- 12 • Documents Being Proposed for SC Level Review:
 - 13 • C.P0050-B v0.95 3GPP2 File Formats for Multimedia Services (to be
14 published as C.S0050-B v1.0)
 - 15 • C.P0085-0 v0.9 VoIP Codecs and Protocols (to be published as
16 C.S0085-0v1.0)
- 17 • Documents Being Proposed for V&V:
 - 18 • C.P0018-B v0.5 Enhanced Variable Rate Codec, Speech Service
19 Options 3, and 68 for Wideband Spread Spectrum Digital Systems,
20 Minimum Performance Specification
 - 21 • C.P1010-0 v0.9 Software Distribution for H.263 Video Codec for
22 3GPP2 Packet Switched Multimedia Services
 - 23 • C.P0083-0 v0.1 Video Codec for 3GPP2 Packet Switched Multimedia
24 Services - H.263
 - 25 • C.P0035-A v1.1 CDMA Card Application Toolkit (CCAT)
- 26 • Documents Being Proposed for Baseline: None.
- 27 • Also progressed the development of the following:
 - 28 • C.P0018-B Software Distribution for Enhanced Variable Rate Codec
29 (EVRC), Speech Service Options 3 and 68, Minimum Performance
30 Specification (MPS) (to be published as C.R0018-B v1.0).
 - 31 • C.P0014-C Software Distribution for Enhanced Variable Rate Codec
32 (EVRC), Speech Service Options 3, 68, and 70, Specification (to be
33 published as C.R0014-C v1.0)
 - 34 • C.P0065-A cdma2000 Application on UICC for Spread Spectrum
35 Systems (to be published as C.S0065-A v1.0)

36 **DECISION: C.P0050-B v0.95 3GPP2 File Formats for Multimedia Services**
37 **(C00-20070514-118) was approved without objection for publication as**
38 **C.S0050-B v1.0 and liaised to TR45.5.**

1 **DECISION: C.P0085-0 v0.95 VoIP Codecs and Protocols (C00-20070514-119)**
2 **was approved without objection for publication as C.S0085-0 v1.0 and liaised to**
3 **TR45.5.**

4 **DECISION: C.P0018-B v0.5 Enhanced Variable Rate Codec, Speech Service**
5 **Options 3, and 68 for Wideband Spread Spectrum Digital Systems, Minimum**
6 **Performance Specification (C00-20070514-115) was approved without objection**
7 **for V&V review by the 3GPP2 OPs and TSG-C participants with comments due**
8 **on or before 21 June 2007 and liaised to TR45.5.**

9 **DECISION: C.P1010-0 v0.9 Software Distribution for H.263 Video Codec for**
10 **3GPP2 Packet Switched Multimedia Services (C00-20070514-116) was**
11 **approved without objection for V&V review by the 3GPP2 OPs and TSG-C**
12 **participants with comments due on or before 21 June 2007 and liaised to**
13 **TR45.5.**

14 **DECISION: C.P0083-0 v0.1 Video Codec for 3GPP2 Packet Switched**
15 **Multimedia Services - H.263 (C00-20070514-117) was approved without**
16 **objection for V&V review by the 3GPP2 OPs and TSG-C participants with**
17 **comments due on or before 21 June 2007 and liaised to TR45.5.**

18 **DECISION: C.P0035-A v1.1 CDMA Card Application Toolkit (CCAT) (C00-**
19 **20070514-120) was approved without objection for V&V review by the 3GPP2**
20 **OPs and TSG-C participants with comments due on or before 21 June 2007 and**
21 **liaised to TR45.5.**

22 **DECISION: Proposed correspondence to ITU-T SG16 regarding speech**
23 **database usage (C00-20070514-121) was approved without objection for**
24 **transmission.**

25 **DECISION: Proposed TSG-C correspondence to OMA DM regarding smart**
26 **card file identifiers (C00-20070514-122) was approved without objection for**
27 **transmission.**

28 **DECISION: Proposed TSG-C Correspondence to OMA MWG MMSG**
29 **regarding OMA OTA provisioning (C00-20070514-123) was approved without**
30 **objection for transmission.**

- 31 • **WG2 REPORT: The WG2 report (C00-20070514-102) was presented by the WG2**
32 **Chair, Orlett Pearson (Alcatel-Lucent), as FYI.**

- 33 • **Documents Being Proposed for V&V Review:**
34 • **C.P0084-0 v1.6 Ultra Mobile Broadband (UMB) Air Interface**
35 **Specification. Response to TIA ballot comment resolution status is**
36 **attached in C00-20070514-102A.**
- 37 • **Made recommendations to the TSG-C Chair regarding the open leadership**
38 **positions in SWG2.3.**

39 **DECISION: The Chair confirmed the appointment of the following persons to**
40 **TSG-C WG2 leadership positions:**

- 41 • **SWG2.3 Chair: Ravi Patwardhan (QUALCOMM)**

1 • **SWG2.3 Vice-Chair: JS Jung (Samsung)**

2 **DECISION: C.P0084-0 Intro and Upper Layers UMB™ Air Interface**
3 **Specification (C00-20070514-108) was approved without objection for V&V**
4 **review by the 3GPP2 OPs and TSG-C participants with comments due on or**
5 **before 18 June 2007 and liaised to TR45.5 noting that technical changes are**
6 **included.**

7 **ACTION: Responses to TIA ballot comments on C.P0084-0 v1.6 Ultra Mobile**
8 **Broadband (UMB) Air Interface Specification (C00-20070514-102A) was**
9 **approved without objection to be liaised to TR45.5.**

- 10 • WG3 REPORT: The WG3 report (C00-20070514-103) was presented by WG3 Chair,
11 Ed Tiedemann (QUALCOMM), as FYI.

- 12 • Completed R&F of C.P0084-0 PHY UMB™ Air Interface Specification
13 point release.
- 14 • Since WG3 is still carrying SBC on their workplan, they are requesting
15 direction from the Plenary.
- 16 • WG3 has identified a missing part of a Table in C.S0024-B. The
17 accompanying figure is correct and shows the correct values (which are also
18 to be in the Table). The WG3 chair is determining how to handle with the
19 Secretariat.

20 **DECISION: C.P0084-001-0 PHY UMB™ Air Interface Specification (C00-**
21 **20070514-113) was approved without objection for V&V review by the 3GPP2**
22 **OPs and TSG-C participants with comments due on or before 18 June 2007 and**
23 **liaised to TR45.5 noting that technical changes are included. The information**
24 **being liaised to TR45.5 includes the master spreadsheet for resolution of all**
25 **V&V comments against C.P0084-001-0 (C00-20070514-113F).**

26 **DECISION: 3GPP2 Presentation to LTE Summit in Berlin (C00-20070514-**
27 **114AR1) was approved without objection.** The Chair noted that there is still no
28 volunteer to serve as speaker for this presentation. If no volunteer is identified by
29 COB today, the Chair will indicate to the LTE Summit that this presentation will not
30 be presented.

31 The Chair also noted that an update of the 3GPP2 presentation to the Workshop on
32 IMT Advanced based on additional input from WG3 (C00-20070514-050R2) will
33 need to be forwarded to the SC exploder. In addition, the 3GPP2 representative that
34 will make this presentation will be S. “Vasu” Vasudevan (Alcatel-Lucent) and
35 Ishikawa-san (Hitachi) will serve as his backup.

- 36 • WG4 REPORT: The WG4 report (C00-20070514-104) was presented by WG4 Co-
37 Chair, Dave Whipple (Agilent), as FYI.

- 38 • Documents Being Proposed for SC Level Review:
39 • C.P0062-0 v0.96 Signaling Conformance Test Specification for
40 cdma2000 Data Services
- 41 • Documents Being Proposed as Baseline Text:

- 1 • C.S0032-A v1.8 Recommended Minimum Performance Standards for
- 2 cdma2000 High Rate Packet Data Access Network
- 3 • C.S0033-A v1.8 Recommended Minimum Performance Standards for
- 4 cdma2000 High Rate Packet Data Access Terminal
- 5 • C.S0044-A v 0.8 Interoperability Specification for cdma2000 Air
- 6 Interface

7 **DECISION: C.P0062-0 v0.96 Signaling Conformance Test Specification for**
 8 **cdma2000 Data Services (C00-20070514-109) was approved without objection**
 9 **for publication as C.S0062-0 v1.0 and liaised to TR45.5.**

10 **DECISION: C.P0032-A v1.8 Recommended Minimum Performance Standards**
 11 **for cdma2000 High Rate Packet Data Access Network (C00-20070514-110) was**
 12 **approved without objection for V&V review by the 3GPP2 OPs and TSG-C**
 13 **participants with comments due on or before 21 June 2007 and liaised to**
 14 **TR45.5.**

15 **DECISION: C.P0033-A v1.8 Recommended Minimum Performance Standards**
 16 **for cdma2000 High Rate Packet Data Access Terminal (C00-20070514-111) was**
 17 **approved without objection for V&V review by the 3GPP2 OPs and TSG-C**
 18 **participants with comments due on or before 21 June 2007 and liaised to**
 19 **TR45.5.**

20 **DECISION: C.P0044-A v 0.8 Interoperability Specification for cdma2000 Air**
 21 **Interface (C00-20070514-112R1) was approved without objection for V&V**
 22 **review by the 3GPP2 OPs and TSG-C participants with comments due on or**
 23 **before 21 June 2007 and liaised to TR45.5.**

- 24 • WG5 REPORT: The WG5 report (C00-20070514-105) was presented by the WG5
- 25 Chair, Bjorn Hjelm (ALLTEL), as FYI.
- 26 • Completed completeness and consistency checks on one (1) TSG-C WI.
- 27 • Assigned the following document numbers: None.
- 28 • Reviewed four (4) TSG-C Work Item proposals (development of Minimum
- 29 Performance Requirements, Signaling Conformance Requirements, and
- 30 Interoperability Test Requirements for the UMB Devices and Air Interface,
- 31 new revision of Administration of Parameter Value Assignments, Tunneling
- 32 of High Rate Packet Data and 1x packets over UMB and cdma2000 Air
- 33 Interface Enhancements for Femto and Pico Cell Support) and provided
- 34 comments to the contributors. These work items will remain open for one
- 35 meeting cycle.

36 **DECISION: The following TSG-C WI (C00-20070514-105A) was approved**
 37 **without objection:**

Title	TSG-C WI No.
Enhanced System Selection	TSGC-102

38 **DECISION: Proposed correspondence to TSG-S regarding Proposed WI**
 39 **Review (C00-20070514-107) was approved without objection for transmission**
 40 **with its attachments.**

1 15. LIAISON REPORTS:

- 2 • OP: No contributions or discussions.
- 3 • SC: No contributions or discussions.
- 4 • 3GPP2 SECRETARIAT: The draft 2009 3GPP2 TSG Meeting Calendar (C00-
5 20070514-106) was presented from the 3GPP2 Secretariat. **ACTION: This**
6 **contribution was remanded to all WGs for review and comment with comments**
7 **to be coordinated by WG5.**
- 8 • TSG-A: No contributions or discussions.
- 9 • TSG-S: The following contributions were discussed:
 - 10 • The TSG-S Liaison Report for May 2007 (C00-20070514-124) was presented
11 from the TSG-S Liaison as FYI for TSG-C.
 - 12 • Correspondence to TSG-X dated 17 May 2007 regarding S.P0116 PPP-Free
13 Operation (C00-20070514-125) was presented from TSG-S. **ACTION:**
14 **This contribution was remanded to WG2 for review and action as**
15 **appropriate.**
 - 16 • Correspondence to TSG-X regarding Status Update of VoIP Supplementary
17 Service Descriptions (C00-20070514-126) was presented from TSG-S.
18 **ACTION: This contribution was remanded to WG2 for review and**
19 **action as appropriate and WG5 as FYI.**
 - 20 • Correspondence to TSG-A in response to TSG-A Correspondence dated 30
21 March 30 2007 on the subject of "Review Schedule for work Items and Stage
22 1 Documents" (C00-20070514-127) was presented from TSG-S. **ACTION:**
23 **This contribution was remanded to WG5 for review and action as**
24 **appropriate.**
 - 25 • Correspondence to all TSGs regarding 3GPP2 UMB-1 System Release
26 Review and Questions (C00-20070514-128) was presented from TSG-S.
27 **ACTION: This contribution was remanded to WG5 for review and**
28 **action as appropriate.**
 - 29 • Correspondence to TSG-C regarding Clarification of the Process for Work
30 Item Introduction, Numbering and Review (C00-20070514-129) was
31 presented from TSG-S. **ACTION: This contribution was remanded to**
32 **WG5 for review and action as appropriate and all other WGs as FYI.**
 - 33 • Correspondence to TSG-C regarding Comment on 3GPP2-00182 work item
34 (C00-20070514-130) was presented from TSG-S. **ACTION: This**
35 **contribution was remanded to WG5 for review and action as**
36 **appropriate.**
 - 37 • Correspondence to TSG-C regarding fast re-authentication indicators (C00-
38 20070514-131) was presented from TSG-S. **ACTION: This contribution**
39 **was remanded to WG2 for review and action as appropriate.**

- 1 • Correspondence to 3GPP regarding Mobility interworking between 3GPP
2 and 3GPP2 systems (C00-20070514-132) was presented from TSG-S.

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

- 4 • TSG-X: No contributions or discussions.
- 5 • TIA: No contributions or discussions.
- 6 • ITU: No contributions or discussions.
- 7 • CDG: No contributions or discussions.
- 8 • OTHER: No contributions or discussions.

9 16. OLD BUSINESS (continued): The following contributions were discussed:

- 10 • The Chair officially cancelled the interim Plenary originally scheduled for 24 May
11 2007.
- 12 • An interim Plenary was schedule to serve as a back-up date for approval of C.P0084
13 UMB Air Interface on 2 July 2007 at 7:00 PM US central time. Call in details are
14 still TBD at this time.

15 17. NEW BUSINESS (continued): No contributions or discussions.

16 18. FUTURE MEETING SCHEDULE:

18-21 June 2007	Empark Grand Hotel Kunming in Kunming, China
2 July 2007	Interim Conference Call – C.P0084-0 approval – back-up date
23-27 July 2007	Hyatt Regency Calgary in Calgary, AB, Canada
27-31 August 2007	Hilton Montreal Bonaventure in Montreal, QC, Canada

17

18 19. OPEN DISCUSSION AND OTHER BUSINESS: None.

19 20. ASSIGNMENTS: The open action items, other than standard document remands, are noted
20 below:

21 070212-03 The Chair requested that WG5 consider and propose potential options for
22 WG5 meetings time other than the current Wednesday afternoon schedule.

23 070326-01 A contribution regarding Next Steps in 3GPP2 TSG-C (C00-20070326-
24 026R1) was presented from Alcatel-Lucent was held OPEN at the Plenary level
25 pending further discussions. TSG-C participants were requested to review and
26 comment and bring additional input to the opening Plenary of the June 2007 meeting.

27 21. ADJOURNMENT: The Plenary was adjourned on 18 May 2007 at 10:51 AM local time.

1
2

NUMBER	SUBJECT	SOURCE	ACTION
OPENING PLENARY – C00-20070326-			
000	DOCUMENT REGISTER	SECRETARY	FYI
001	AGENDA	CHAIR	APPROVED
002	TSG-C Meeting Summary - March 2007 – Atlanta, GA, USA	SECRETARY	APPROVED
003	TSG-S Document Status Table – March 2007	TSG-S	ALL WGs
004	Correspondence to all TSGs dated 26 March 2007 regarding Proposed Work Item Review	TSG-S	ALL WGs
005	Correspondence to TSG-S dated 30 March 2007 regarding Work Item Review	TSG-X	WG5
006	Correspondence to TSG-S dated 30 March 2007 regarding Review of S.P0121-0 v0.6 3GPP2 Evolved Network SRD	TSG-X	WG5
007	Correspondence to TSG-S dated 30 March 2007 regarding Review of S.P0120 MMD Enhanced Policy Requirements and S.P0123 Enhanced MMD Security Stage 1	TSG-X	WG5
008	Correspondence to TSG-S dated 30 March 2007 regarding Input for the UMB NAM	TSG-X	ALL WGs
009	Correspondence to TSG-S dated 30 March 2007 regarding VoIP Supplementary Service Descriptions	TSG-X	FYI
010	Correspondence to 3GPP SA2 dated 30 March 2007 regarding Response to 3GPP With Respect to 3GPP2 Network Evolution	TSG-X	ALL WGs
011	Correspondence dated 30 March 2007 regarding OMA OTA Provisioning	TSG-X	WG1
012	Correspondence dated 30 March 2007 regarding AltPPP	TSG-X	WG1, WG2

NUMBER	SUBJECT	SOURCE	ACTION
013	E-mail correspondences regarding SC level review and approval of C.S0024-B v2.0 cdma2000 High Rate Packet Data Air Interface Specification	3GPP2 SECRETARIAT	FYI
014	E-mail correspondences regarding SC level review and approval of C.S0038-A v2.0 Signaling Conformance Specification for High Rate Packet Data Air Interface	3GPP2 SECRETARIAT	FYI
015	E-mail correspondences regarding SC level review and approval of C.S0055-0 v1.0 Packet Switched Video Telephony Services (PSVT/MCS)	3GPP2 SECRETARIAT	FYI
016	E-mail correspondences regarding SC level review of C.S0062-0 v1.0 Signaling Conformance Test Specification for cdma2000 Data Services	3GPP2 SECRETARIAT	FYI
017	E-mail correspondences regarding SC level review and approval of C.S0063-A v2.0 cdma2000 High Rate Packet Data Supplemental Services	3GPP2 SECRETARIAT	FYI
018	E-mail correspondences regarding SC level review and approval of C.S0084-0 v1.0 Ultra Mobile Broadband (UMB) Physical Layer and Upper Layers Air Interface Specification	3GPP2 SECRETARIAT	FYI
019	E-mail correspondences regarding SC level review and approval of C.S0081-0 v1.0 Signaling Conformance Specification for cdma2000 High Rate Packet Data Supplemental Services	3GPP2 SECRETARIAT	FYI
020	E-mail correspondences regarding SC level review of C.S0062-0 v1.0 Signaling Conformance Test Specification for cdma2000 Data Services	3GPP2 SECRETARIAT	WG4
021	E-mail correspondences regarding V&V review of C.P0050-B v0.9 3GPP2 File Formats for Multimedia Services	3GPP2 SECRETARIAT	FYI
022	E-mail correspondences regarding V&V review of C.P0085-0 v0.9 VoIP Codecs and Protocols	3GPP2 SECRETARIAT	FYI

NUMBER	SUBJECT	SOURCE	ACTION
023	E-mail correspondences to TSG-S dated 11 April 2007 regarding Release UMB-1 Report	3GPP2 SECRETARIAT	WG5
024	LS dated 30 March 2007 regarding EVRC-WB	ITU-T WP3	WG1
025	LS dated 30 March 2007 regarding usage of speech database	ITU-T WP3	WG1
026	LS to 3GPP and 3GPP2 dated 26 February 2007 regarding Authenticate Response	OMA BCAST	WG1
027	LS dated 18 April 2007 regarding Smart Card File Identifiers for OMA DM and OMA CP	OMA DM	WG1
028	E-mail correspondence dated 1 May 2007 regarding 3GPP2 Presentation for IMT Advanced Workshop in Kyoto	3GPP2 SECRETARIAT	WORKSHOP PREPARATION ADHOC
029	V&V comments regarding C.P0050-B v0.9 3GPP2 File Formats for Multimedia Services	3GPP2 SECRETARIAT	WG1
030	V&V comments regarding C.P0085-0 v0.9 VoIP Codecs and Protocols	3GPP2 SECRETARIAT	WG1
031	E-mail correspondence dated 2 May 2007 regarding 3GPP2 Presentation for IMT Advanced Workshop in Kyoto	CHAIR	WORKSHOP PREPARATION ADHOC
032	Proposed WI for EV-DO and 1x tunneling over UMB	AIRVANA, NORTEL, AND QUALCOMM	WG5
033	cdma2000 Enhancements to Support Femto and Pico Cells	AIRVANA	WG1, WG2, WG3
034	C.P1010-0 v0.1 Software Distribution for H.263 Video Codec for 3GPP2 Packet Switched Multimedia Services Proposed Baseline Text	WG1	APPROVED
035	C.P0083-0 v0.1 Video Codec for 3GPP2 Packet Switched Multimedia Services - H.263 Proposed Baseline Text	WG1	APPROVED

NUMBER	SUBJECT	SOURCE	ACTION
036	Draft presentation for 3GPP2 Efforts Towards IMT-Advanced featuring UMB™ (Ultra Mobile Broadband) System Release 1	WORKSHOP PREPARATION ADHOC	ALL WGs
037	WITHDRAWN		
038	E-mail correspondence dated 11 May 2007 regarding LTE summit in Berlin	CHAIR	FYI
039	3GPP2 Workplan Reports – May 2007	3GPP2 SECRETARIAT	ALL WGs
040	TIA ballot results and comments regarding C.P0050-B (TIA PN-3-0116-RV1, TIA-1015-A) File Formats for Multimedia Services for cdma2000 Spread Spectrum Systems	TR45.5	WG1
041	TIA ballot results and comments regarding C.P0085-0 (TIA PN-3-0273, TIA-1122) VoIP Codecs and Protocols for cdma2000 Spread Spectrum Systems	TR45.5	WG1
042	TSG-C Meeting Summary – 5 April 2007 Interim Plenary Conference Call	SECRETARY	APPROVED R1
043	Draft presentation for LTE Summit	QUALCOMM	ALL WGs
044	Proposed WI for cdma2000 System Enhancements for Femto and Pico Cell Support	AIRVANA, SPRINT, AND QUALCOMM	WG5
045	Presentation of Femto cell BTS	LGT	WG1, WG2, WG3
046	Proposed requirements for Femto cell IBTS	LGT	WG1, WG2, WG3
INTERIM PLENARY – C00-20070514-			
050	Final draft of 3GPP2 Efforts Towards IMT-Advanced featuring UMB™ (Ultra Mobile Broadband) System Release 1	WORKSHOP PREPARATON ADHOC	APPROVED
051	Proposed correspondence to TSG-S regarding Stage 1 Review	WG5	APPROVED

NUMBER	SUBJECT	SOURCE	ACTION
052	C.P0084-0 PHY UMB™ Air Interface Specification proposed baseline text	WG3	APPROVED
053	Final draft of 3GPP2 Evolution and UMB™ (Ultra Mobile Broadband)	WG3	ALL WGs
054	C.P0084-0 Intro and Upper Layers UMB™ Air Interface Specification proposed baseline text	WG2	APPROVED
CLOSING PLENARY – C00-20070514-			
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, A, BR2, and C APPROVAL
106	Draft 2009 3GPP2 TSG Meeting Calendar	3GPP2 SECRETARIAT	ALL WGs
107	Proposed correspondence to TSG-S regarding Proposed WI Review	WG5	APPROVED
108	C.P0084-0 Intro and Upper Layers UMB™ Air Interface Specification proposed V&V text	WG2	APPROVED
109	C.S0062-0 v0.96 Signaling Conformance Test Specification for cdma2000 Data Services proposed publication text	WG4	APPROVED
110	C.S0032-A v1.8 Recommended Minimum Performance Standards for cdma2000 High Rate Packet Data Access Network	WG4	APPROVED
111	C.S0033-A v1.8 Recommended Minimum Performance Standards for cdma2000 High Rate Packet Data Access Terminal	WG4	APPROVED

NUMBER	SUBJECT	SOURCE	ACTION
112	C.S0044-A v 0.8 Interoperability Specification for cdma2000 Air Interface	WG4	APPROVED R1
113	C.P0084-0 PHY UMB™ Air Interface Specification proposed V&V text	WG3	APPROVED
114	3GPP2 Presentation to LTE Summit in Berlin	WG3	APPROVED
115	C.P0018-B v0.5 Enhanced Variable Rate Codec, Speech Service Options 3, and 68 for Wideband Spread Spectrum Digital Systems, Minimum Performance Specification Proposed V&V Text	WG1	APPROVED
116	C.P1010-0 v0.9 Software Distribution for H.263 Video Codec for 3GPP2 Packet Switched Multimedia Services Proposed V&V Text	WG1	APPROVED
117	C.P0083-0 v0.1 Video Codec for 3GPP2 Packet Switched Multimedia Services - H.263 Proposed V&V Text	WG1	APPROVED
118	C.P0050-B v0.95 3GPP2 File Formats for Multimedia Services Proposed Publication Text	WG1	APPROVED
119	C.P0085-0 v0.95 VoIP Codecs and Protocols Proposed Publication Text	WG1	APPROVED
120	C.P0035-A v1.1 CDMA Card Application Toolkit (CCAT) Proposed V&V Text	WG1	APPROVED
121	Proposed correspondence to ITU-T SG16 regarding speech database usage	WG1	APPROVED
122	Proposed TSG-C correspondence to OMA DM regarding smart card file identifiers	WG1	APPROVED
123	Proposed TSG-C Correspondence to OMA MWG MMSG regarding OMA OTA provisioning	WG1	APPROVED
124	TSG-S Liaison Report – May 2007	TSG-S LIAISON	FYI

NUMBER	SUBJECT	SOURCE	ACTION
125	Correspondence to TSG-X dated 17 May 2007 regarding S.P0116 PPP-Free Operation	TSG-S	WG2
126	Correspondence to TSG-X regarding Status Update of VoIP Supplementary Service Descriptions	TSG-S	WG2, WG5
127	Correspondence to TSG-A in response to TSG-A Correspondence dated 30 March 30 2007 on the subject of "Review Schedule for work Items and Stage 1 Documents"	TSG-S	WG5
128	Correspondence to all TSGs regarding 3GPP2 UMB-1 System Release Review and Questions	TSG-S	WG5
129	Correspondence to TSG-C regarding Clarification of the Process for Work Item Introduction, Numbering and Review	TSG-S	ALL WGs
130	Correspondence to TSG-C regarding Comment on 3GPP2-00182 work item	TSG-S	WG5
131	Correspondence to TSG-C regarding fast re-authentication indicators	TSG-S	WG2
132	Correspondence to 3GPP regarding Mobility interworking between 3GPP and 3GPP2 systems	TSG-S	ALL WGs

3GPP2 QUORUM ROLL CALL
 TSG-C (CDMA2000)
 San Diego, CA, USA
 18-May-07

INDIVIDUAL MEMBER COMPANY	Attendance	Attendance	Attendance	Consec Mtgs Missed	Voting Status	Quorum Status	Voting Status	Quorum Status
	OPENING	INTERIM	CLOSING					
	5/14/2007	5/17/2007	5/18/2007	Including this Mtg	This Meeting	This Meeting	Next Meeting*	Next Meeting*
AEROFLEX				3	0	0	0	0
AGILENT TECHNOLOGIES			1	0	1	1	1	1
AIRCELL	1			0	1	1	1	1
AIRVANA	1			0	1	1	1	1
ALCATEL LUCENT	1			0	1	1	1	1
ALLTEL	1			0	1	1	1	1
BELL CANADA				3	0	0	0	0
CHINA UNICOM				2	0	0	0	0
DOCOMO US LABORATORIES				3	0	0	0	0
ERICSSON	1			0	1	1	1	1
ETRI				2	1	1	1	1
FRANCE TELECOM				3	0	0	0	0
FUJITSU	1			0	1	1	1	1
GEMALTO	1			1	1	1	1	1
HITACHI	1			0	1	1	1	1
HUAWEI	1			0	1	1	1	1
INTERDIGITAL				1	1	1	1	1
KDDI	1			0	1	1	1	1
KYOCERA	1			0	1	1	1	1
LG ELECTRONICS	1			0	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
NOKIA	1			0	1	1	1	1
NOKIA-SIEMENS	1			0	1	1	1	1
NORTEL NETWORKS	1			0	1	1	1	1
QUALCOMM	1			0	1	1	1	1
RESEARCH IN MOTION	1			0	1	1	1	1
RITT				3	1	1	0	0
ROHDE & SCHWARZ	1			0	1	1	1	1
SAMSUNG	1			0	1	1	1	1
SK TELECOM				3	1	1	0	0
SPIRENT COMMUNICATIONS	1			0	0	0	1	0
SPRINT/NEXTEL	1			0	1	1	1	1
TELCOWARE				3	1	1	0	0
TELLABS				2	0	0	0	0
TOSHIBA	1			0	1	1	1	1
VERIZON WIRELESS	1			0	1	1	1	1
VIA TELECOM	1			0	1	1	1	1
ZTE	1			0	1	1	1	1
TOTALS	27	0	1		33	33	31	29
QUORUM CALCULATION	82%	0%	3%					
ADDITIONS								
OBSERVERS AND GUESTS								
ARIB	1							
Centre of Excellence in Wireless Technology	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

P = Letter of Proxy in effect

* Next Meeting status based on the assumption that the company will be present at the next meeting.