

1 **Title:**

2 **APPROVED SUMMARY OF TSG-C MEETING**
3 **for 26-30 March 2007 in Atlanta, GA, 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 26-
18 30 March 2007 in Atlanta, GA, USA.

19
20 **Recommendations:**

21 For review and approval.

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23 **Notice:**

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34 Committee as a basis for discussion and is not to be construed as a binding proposal on KDDI. KDDI specifically
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36 provided in the copyright statement above.

1 During the period of 26-30 March 2007, 3GPP2 TSG-C meetings were held at the Westin Peachtree
2 Plaza Hotel in Atlanta, GA, 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 26 March 2007 at 9:37AM local time by TSG-C Chair, Dennis Gentzler (ALLTEL).

7 The Chair welcomed everyone to Atlanta.

8 The Chair announced that Doug Dunn (Kyocera) has been named as the new WG1 Chair
9 effective immediately.

10 The Chair announced that an interim Plenary will be held during this session on Tuesday at
11 8:15 AM to receive additional V&V comments from TR45.5.

12 The Chair noted that the objective of this meeting is the resolution of V&V comments on
13 C.P0084 UMB Air Interface specification for C.S0084 v1.0 publication by closing Plenary,
14 if possible. However, an interim Plenary has been scheduled for 5 April 2007 at 8:00 PM
15 US east coast time to approve v1.0 for publication if extra time is needed.

16 The Chair noted that interim meetings of WG2 and WG3 have been scheduled for 24-
17 26 April 2007 at the Sheraton Wall Centre Hotel in Vancouver, BC, Canada to progress the
18 development of C.S0084-0 v2.0 UMB Air Interface specification. ADDITIONAL
19 SPONSORS ARE REQUIRED.

20 2. ATTENDANCE REGISTRATION AND ROLL CALL: A roll call of companies indicated
21 that 25 companies included on the list of 33 active quorum members were present (76%
22 participation). Thus, meeting quorum was achieved.

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

24 3. INTRODUCTION AND NUMBERING OF CONTRIBUTIONS: Contributions were
25 loaded onto the 3GPP2 LAN server and listed in the document register (C00-20070326-
26 000R1).

27 4. AGENDA APPROVAL: The proposed agenda (C00-20070326-001) was presented.

28 **DECISION: The agenda was approved without objection as modified (C00-20070326-
29 001).**

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

32 6. APPROVAL OF PREVIOUS MEETING SUMMARY: The summary of the TSG-C
33 meeting for February 2007 that was held in Seoul, Korea (C00-20070326-002) was
34 presented.

35 **DECISION: This meeting summary was approved without objection as submitted
36 (C00-20070326-002).**

- 1 7. REVIEW OF OUTSTANDING ACTIONS FROM PREVIOUS MEETING: The action
2 items from the February 2007 face-to-face meeting were noted as follows:
- 3 070212-01 The Chair directed all WG Chairs to update the titles & document numbers of
4 the approved baseline documents and to include informative references in each
5 document's overview/foreword noting the relationship to the cdma2000 family of
6 standards and the CDMA-MC heading within ITU M1457 updates.
- 7 **DECISION: This action was CLOSED without objection.**
- 8 070212-02 Proposed Revision of TSG-C Terms of Reference (C00-20070212-115) was
9 remanded to all WGs for review and comment with comments to be coordinated by
10 WG5 by the May 2007 meeting.
- 11 This action was held OPEN until the closing Plenary.
- 12 070212-03 The Chair requested that WG5 consider and propose potential options for
13 WG5 meetings time other than the current Wednesday afternoon schedule.
- 14 This action was carried forward until the May 2007 meeting.
- 15 8. CORRESPONDENCE: None.
- 16 9. LIAISON REPORTS:
- 17 • OP: E-mail correspondence dated 23 March 2007 regarding REMAND from SC
18 Chair: Clean/Rev-Marked documents in 3GPP2 (C00-20070326-048) was presented
19 from the WPD AdHoc. **ACTION: This contribution was remanded to all WGs
20 for review and comment with comments to be coordinated by WG5.**
 - 21 • SC: No contributions or discussion.
 - 22 • 3GPP2 SECRETARIAT: The following contributions were discussed:
 - 23 • E-mail correspondence dated 16 February 2007 regarding V&V review of
24 C.P0084-0 v0.88 Physical Layer for Ultra Mobile Broadband (UMB) Air
25 Interface Specification (C00-20070326-009) was presented from the 3GPP2
26 Secretariat as FYI for TSG-C.
 - 27 • E-mail correspondence dated 20 February 2007 regarding V&V review of
28 C.P0084-0 v0.6 Overview and Upper Layers for Ultra Mobile Broadband
29 (UMB) Air Interface Specification - 9 Parts (C00-20070326-010) was
30 presented from the 3GPP2 Secretariat as FYI for TSG-C.
 - 31 • E-mail correspondence dated 16 February 2007 regarding Update to the
32 Work Item Worksheet (C00-20070326-011) was presented from the 3GPP2
33 Secretariat as FYI for TSG-C.
 - 34 • E-mail correspondence dated 16 February 2007 regarding SC level approval
35 of C.R0014-B v1.0 Software Distribution for Enhanced Variable Rate Codec
36 (EVRC), Speech Service Options 3 and 68, Specification (C00-20070326-
37 017) was presented from the 3GPP2 Secretariat as FYI for TSG-C.

- 1 • E-mail correspondence dated 16 March 2007 regarding SC level approval of
2 C.R1009-0 v1.0 - cdma2000 Multimedia Services Evaluation Methodology:
3 Software Tools (C00-20070326-019) was presented from the 3GPP2
4 Secretariat as FYI for TSG-C.
- 5 • V&V comments regarding C.P0024-B v1.9 cdma2000 High Rate Packet Data
6 Air Interface Specification (C00-20070326-021) was presented from the
7 3GPP2 Secretariat. **ACTION: This contribution was remanded to WG2
8 and WG3 for review and action as appropriate.**
- 9 • V&V comments regarding C.P0038-A v1.8 Signaling Conformance
10 Specification for High Rate Packet Data Air Interface (C00-20070326-022)
11 was presented from the 3GPP2 Secretariat. **ACTION: This contribution
12 was remanded to WG4 for review and action as appropriate.**
- 13 • V&V comments regarding C.P0063-A v1.9 cdma2000 High Rate Packet
14 Data Supplemental Services (C00-20070326-023) was presented from the
15 3GPP2 Secretariat. **ACTION: This contribution was remanded to WG2
16 for review and action as appropriate.**
- 17 • V&V comments regarding C.P0081-0 v0.8 Signaling Conformance
18 Specification for cdma2000 High Rate Packet Data Supplemental Services
19 (C00-20070326-024) was presented from the 3GPP2 Secretariat. **ACTION:
20 This contribution was remanded to WG4 for review and action as
21 appropriate.**
- 22 • V&V comments regarding C.P0084-001-0 v0.88 (Physical Layer for Ultra
23 Mobile Broadband (UMB) Air Interface Specification (C00-20070326-027)
24 was presented from the 3GPP2 Secretariat. **ACTION: This contribution
25 was remanded to WG3 for review and action as appropriate.**
- 26 • V&V comments regarding C.P0084-00x-0 (Upper Layers for Ultra Mobile
27 Broadband <UMB> Air Interface Specification – 9 Parts) (C00-20070326-
28 030) was presented from the 3GPP2 Secretariat. **ACTION: This
29 contribution was remanded to WG2 for review and action as
30 appropriate.**
- 31 • 3GPP2 Workplan files for March 2007 (C00-20070326-052) was presented
32 from the 3GPP2 Secretariat. **ACTION: This contribution was remanded
33 to all WGs for review and comment with comments to be coordinated by
34 WG5.**
- 35 • TSG-A: Correspondence to TSG-S dated 16 February 2007 regarding TSG-S
36 Project Coordination Recommendations (C00-20070326-005) was presented from
37 TSG-A as FYI for TSG-C.

- 1 • TSG-S: The following contributions were discussed:
- 2 • Correspondence to all TSGs dated 12 February 2007 regarding Proposed
3 Work Item Review (C00-20070326-003) was presented from TSG-S.
4 **ACTION: This contribution was remanded to all WGs for review and**
5 **comment with comments to be coordinated by WG5.**
- 6 • TSG-S Document Status Table for February 2007 (C00-20070326-004) was
7 presented from TSG-S. **ACTION: This contribution was remanded to all**
8 **WGs for review and comment with comments to be coordinated by WG5.**
- 9 • TSG-X: The following contributions were discussed:
- 10 • Correspondence dated 16 February 2007 regarding AltPPP (C00-20070326-
11 006) was presented from TSG-X. **ACTION: This contribution was**
12 **remanded WG1 for review and action as appropriate and to WG2 as**
13 **FYI.**
- 14 • Correspondence to TSG-S dated 16 February 2007 regarding Review Items
15 (C00-20070326-007) was presented from TSG-X. **ACTION: This**
16 **contribution was remanded WG5 for review and action as appropriate.**
- 17 • Correspondence to TSG-S dated 16 February 2007 regarding Review of
18 System Requirements Documents (C00-20070326-008) was presented from
19 TSG-X. **ACTION: This contribution was remanded WG5 for review**
20 **and action as appropriate.**
- 21 • TR45: TIA ballot comments were received and remanded as follows:
- 22 • TIA ballot comments on C.P0081-0 (PN-3-0269: TIA-1119) Signaling
23 Conformance Test Specification for HRPD Supplemental Services (C00-
24 20070326-015) was presented from TIA TR45.5. **ACTION: This**
25 **contribution was remanded WG4 for review and action as appropriate.**
- 26 • TIA ballot comments on C.P0055-0 (PN 3-0070-1 TIA 924) Packet Based
27 Video Conferencing Services (C00-20070326-016) was presented from TIA
28 TR45.5. **ACTION: This contribution was remanded WG1 for review**
29 **and action as appropriate.**
- 30 • TIA ballot comments on C.P0084-0-000 Overview for Ultra Mobile
31 Broadband (UMB) Air Interface Specification (C00-20070326-033) were
32 presented from TIA TR45.5. **ACTION: This contribution was remanded**
33 **WG2 for review and action as appropriate.**
- 34 • TIA ballot comments on C.P0084-0-001 Physical Layer for Ultra Mobile
35 Broadband (UMB) Air Interface Specification (C00-20070326-034) were
36 presented from TIA TR45.5. **ACTION: This contribution was remanded**
37 **WG3 for review and action as appropriate.**

- 1 • TIA ballot comments on C.P0084-0-002 MAC Layer for Ultra Mobile
2 Broadband (C00-20070326-035) were presented from TIA TR45.5.
3 **ACTION: This contribution was remanded WG2 for review and action**
4 **as appropriate.**
- 5 • TIA ballot comments on C.P0084-0-003 Radio Link Layer for Ultra Mobile
6 Broadband (UMB) Air Interface Specification (C00-20070326-036) were
7 presented from TIA TR45.5. **ACTION: This contribution was remanded**
8 **WG2 for review and action as appropriate.**
- 9 • TIA ballot comments on C.P0084-0-004 Application Layer for Ultra Mobile
10 Broadband (UMB) Air Interface Specification (C00-20070326-037) were
11 presented from TIA TR45.5. **ACTION: This contribution was remanded**
12 **WG2 for review and action as appropriate.**
- 13 • TIA ballot comments on C.P0084-0-005 Security Functions for Ultra Mobile
14 Broadband (UMB) Air Interface Specification (C00-20070326-038) were
15 presented from TIA TR45.5. **ACTION: This contribution was remanded**
16 **WG2 for review and action as appropriate.**
- 17 • TIA ballot comments on C.P0084-0-006 Connection Control Plane for Ultra
18 Mobile Broadband (UMB) Air Interface Specification (C00-20070326-039)
19 were presented from TIA TR45.5. **ACTION: This contribution was**
20 **remanded WG2 for review and action as appropriate.**
- 21 • TIA ballot comments on C.P0084-0-007 Session Control Plane for Ultra
22 Mobile Broadband (UMB) Air Interface Specification (C00-20070326-040)
23 were presented from TIA TR45.5. **ACTION: This contribution was**
24 **remanded WG2 for review and action as appropriate.**
- 25 • TIA ballot comments on C.P0084-0-008 Route Control Plane for Ultra
26 Mobile Broadband (UMB) Air Interface Specification (C00-20070326-041)
27 were presented from TIA TR45.5. **ACTION: This contribution was**
28 **remanded WG2 for review and action as appropriate.**
- 29 • TIA ballot comments on C.P0084-0-009 Broadcast-Multicast Upper Layers
30 for Ultra Mobile Broadband (UMB) Air Interface Specification (C00-
31 20070326-042) were presented from TIA TR45.5. **ACTION: This**
32 **contribution was remanded WG2 for review and action as appropriate.**
- 33 • Correspondence to TIA dated 2 May 2007 regarding C.P1008-0 (TIA PN-3-
34 0241 (TSB-169)) cdma2000 Multimedia Services Evaluation Methodology
35 (C00-20070326-043) was presented from TIA TR45.5. **ACTION: This**
36 **contribution was remanded WG1 for review and action as appropriate.**
- 37 • Correspondence to TIA dated 2 May 2007 regarding C.P9006-0 (TIA PN 3-
38 48760AD1) Markov Service Option for cdma2000 Spread Spectrum Systems
39 (C00-20070326-044) was presented from TIA TR45.5. **ACTION: This**
40 **contribution was remanded WG4 for review and action as appropriate.**

- 1 • ITU: The following contributions were discussed:
- 2 • An LS to 3GPP, 3GPP2, and other organizations dated 8 February 2007
3 regarding Cell Broadcast Message Identifiers (C00-20070326-014) was
4 presented from ITU-T SG2. **ACTION: This contribution was remanded
5 WG1 and WG2 for review and comment with comments to be
6 coordinated by WG2.**
- 7 • An LS dated 16 February 2007 regarding results of the first face-to-face
8 meeting of the ITU-T Focus Group on Identity Management (C00-20070326-
9 018) was presented from the ITU-T Focus Group on ID Management as FYI
10 for TSG-C.
- 11 • CDG: CDG Technical Bulletin 070301IRT v1.0 dated 1 March 2007 regarding
12 MEID IOS Issue (C00-20070326-028) was presented from CDG. **ACTION: This
13 contribution was remanded WG2 for review and action as appropriate.**
- 14 • OMA: The following contributions were discussed:
- 15 • An LS to 3GPP TSG-CT and 3GPP2 TSG-X dated 5 March 2007 regarding
16 OTA Provisioning (C00-20070326-012) was presented from OMA MWG
17 MMSG. **ACTION: This contribution was remanded WG1 for review
18 and action as appropriate.**
- 19 • An LS dated 26 February 2007 regarding UICC key storage (C00-20070326-
20 020) was presented from OMA BCAST. **ACTION: This contribution was
21 remanded WG1 for review and action as appropriate.**
- 22 • An LS to 3GPP and 3GPP2 dated 26 February 2007 regarding OMA BCAST
23 card capabilities (C00-20070326-029) was presented from OMA BCAST.
24 **ACTION: This contribution was remanded WG1 for review and action
25 as appropriate.**
- 26 • 3GPP/ETSI: An LS dated 2 February 2007 regarding availability and schedule of
27 EVRC-WB codec (C00-20070326-013) was presented from ETSI TC TISPAN WG1.
28 **ACTION: This contribution was remanded WG1 for review and action as
29 appropriate by the closing Plenary.**
- 30 • Other: No contributions or discussion.

31 10. WORKING GROUP REPORTS:

- 32 • WG1 REPORT: A verbal report of WG1 activities was presented by WG1 Chair,
33 Doug Dunn (Kyocera), as FYI for TSG-C.
34 WG1 will bring a document to the interim Plenary for publication.
35 No actions were requested of the Plenary at this time.
- 36 • WG2 REPORT: A verbal report of WG2 activities was presented by WG2 Chair,
37 Orlett Pearson (Alcatel-Lucent), as FYI.
38 No actions were requested of the Plenary at this time.

- 1 • WG3 REPORT: A verbal report of the WG3 activities was presented by WG3 Chair,
2 Ed Tiedemann (QUALCOMM), as FYI.
- 3 No actions were requested of the Plenary at this time.
- 4 • WG4 REPORT: No report.
- 5 No actions were requested of the Plenary at this time.
- 6 • WG5 REPORT: A verbal report of WG5 activities was presented by WG5 Chair,
7 Bjorn Hjelm (ALLTEL), as FYI.
- 8 No actions were requested of the Plenary at this time.
- 9 11. OLD BUSINESS: The following contributions were discussed:
- 10 • V&V comments regarding C.P0084 UMB Air Interface (C00-20070326-025) were
11 presented from Huawei. **ACTION: This contribution was remanded WG2 and**
12 **WG3 for review and action as appropriate.**
- 13 • V&V comments regarding C.P0084-0 PHY and Upper Layer UMB Air Interface
14 Specifications (C00-20070326-031) were presented from KDDI. **ACTION: This**
15 **contribution was remanded WG2 and WG3 for review and action as**
16 **appropriate.**
- 17 • V&V comments regarding C.P0084-0 UMB Air Interface Specifications (C00-
18 20070326-045R1) were presented from ZTE. **ACTION: This contribution was**
19 **remanded WG2 and WG3 for review and action as appropriate.**
- 20 • V&V comments regarding C.P0084-0 UMB Air Interface Specifications (C00-
21 20070326-046R1) were presented from VIA Telecom. **ACTION: This**
22 **contribution was remanded WG2 and WG3 for review and action as**
23 **appropriate.**
- 24 • Additional V&V comments regarding C.P0084-0 UMB Air Interface Specifications
25 (C00-20070326-047) were presented from RIM. **ACTION: This contribution was**
26 **remanded WG2 for review and action as appropriate.**
- 27 • V&V comments regarding C.P0084-0 UMB Air Interface Specifications (C00-
28 20070326-050) were presented from LGE. **ACTION: This contribution was**
29 **remanded WG2 and WG3 for review and action as appropriate.**
- 30 • V&V comments regarding C.P0024-B HRPD (C00-20070326-051) were presented
31 from Airvana. **ACTION: This contribution was remanded WG2 for review and**
32 **action as appropriate.**
- 33 • A WI Request for C.S0055-A PSVT Rev. A (C00-20070326-032) was presented
34 from China Unicom, QUALCOMM, and Sprint-Nextel. **ACTION: This**
35 **contribution was remanded to WG5 for completeness and consistency checks.**
- 36 • A WI Request for Enhanced System Selection (ESS) (C00-20070326-049) was
37 presented from Airvana, Sprint-Nextel, and Via Telecom. **ACTION: This**
38 **contribution was remanded to WG5 for completeness and consistency checks.**

- 1 • A contribution regarding Next Steps in 3GPP2 TSG-C (C00-20070326-026R1) was
2 presented from Alcatel-Lucent.

3 ARIB stated that the issue of IMT-Advanced may be a 3GPP2 Scope issue that
4 requires discussion by the 3GPP2 OPs. This discussion is anticipated at the June
5 2007 meeting.

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

7 **ACTION: This contribution was also held OPEN at the Plenary level pending**
8 **further discussions. TSG-C participants were requested to review and**
9 **comment and bring additional input to this Plenary for the May 2007 meeting.**

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

11 13. NEW BUSINESS: No contributions or discussion.

12 This session was recessed on 26 March 2007 at 11:45 AM local time.

13
14
15 **INTERIM PLENARY:**

16 The meeting was reconvened on 27 March 2007 at 8:15 AM local time.

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

19
20 9. LIAISON REPORTS (continued):

- 21 • TR45: TIA ballot comments were received and remanded as follows:

- 22 • TIA ballot comments on C.P0063-A (PN-3-0181-RV1-AD1) High Rate
23 Packet Data Supplemental Packet Services (if approved, to be published as
24 TIA-1054-A-1) (C00-20070326-071) were presented from TR45.5.

25 **ACTION: This contribution was remanded to WG2 for review and**
26 **action as appropriate.**

- 27 • TIA ballot comments on C.P0024-B (PN-3-4875-RV2-AD1) cdma2000®
28 High Rate Packet Data Air Interface Specification (if approved, to be
29 published as TIA-856-B-1) (C00-20070326-072) were presented from
30 TR45.5. **ACTION: This contribution was remanded to WG2 and WG3**
31 **for review and action as appropriate.**

- 32 • 3GPP/ETSI

- 33 • An LS dated 15 March 2007 regarding Mobility interworking between 3GPP
34 and 3GPP2 systems (C00-20070326-074) were presented from 3GPP SA.

35 **ACTION: This contribution was remanded to all WGs for review and**
36 **comment with comments to be coordinated by WG3.**

- Proposed Response to 3GPP LS on Mobility Interworking (C00-20070326-075) were presented from Ericsson, Nortel Networks, and Verizon Wireless.

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

The Chair noted that an open meeting (open to all TSGs), hosted by TSG-S, will be held on Wednesday at 6:00 PM in the TSG-C Plenary room to discuss this issue. TSG-S has been requested to release a response as an output of this meeting. WG5 will recess at that time to allow for this meeting.

10. WORKING GROUP REPORTS (continued):

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

DECISION: C.P0055-0 v0.91 Packet Switched Video Telephony (C00-20070326-070) was approved without objection for publication as C.S0055-0 v1.0 and liaised to TR45.5.

- WG2 REPORT: A verbal report of WG2 status on the resolution of V&V comments for C.P0084 UMB Air Interface was presented by WG2 Vice Chair, Kim Chang (Huawei), as FYI.

No actions were requested of the Plenary at this time.

- WG3 REPORT: A verbal report of the WG3 status on the resolution of V&V comments for C.P0084 UMB Air Interface was presented by WG3 Chair, Ed Tiedemann (QUALCOMM), as FYI.

No actions were requested of the Plenary at this time.

11. OLD BUSINESS (continued):

- V&V comments on C.P0024-B HRPD (C00-20070326-073) were presented from LGE. **ACTION: This contribution was remanded to WG3 for review and action as appropriate.**

The Chair also noted that sponsors for the interim WG2/WG3 meetings in Vancouver, BC, Canada during the period of 24-26 April 2007. **ADDITIONAL SPONSORS ARE REQUIRED OR THIS MEETING CANNOT BE HELD.**

The meeting was recessed on 27 March 2007 at 8:35 AM local time.

CLOSING PLENARY:

The meeting was reconvened on 30 March 2007 at 8:40 AM local time.

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

The Chair thanked everyone for their efforts this week and reminded them of the following:

- An interim TSG-C Plenary conference call is scheduled for Thursday 5 April 2007 to approve C.P0084-0 UMB Air Interface

- 1 • Interim meetings of WG2 and WG3 will be held at the Sheraton Wall Centre Hotel in
2 Vancouver, BC, Canada during the period of 24-26 April 2007.

3 The Chair also noted that the June 2007 super-meeting will be held in Empark Grand Hotel
4 Kunming in Kunming, China. Formal meeting notice is forthcoming.

5
6 14. WORKING GROUP REPORTS:

- 7 • WG1 REPORT: The WG1 report (C00-20070326-101) was presented by WG1 Chair,
8 Doug Dunn (Kyocera), as FYI.

- 9 • Documents Being Proposed for SC Level Review: None

- 10 • Documents Being Proposed for V&V:

- 11 • C.P0050-B v0.9 3GPP2 File Formats for Multimedia Services
12 • C.P0085-0 v0.9 VoIP Codecs and Protocols

- 13 • Documents Being Proposed for Baseline

- 14 • C.P0018-B v0.35 Minimum Performance Specification for the
15 Enhanced Variable Rate Codec, Speech Service Options 3 and 68 for
16 Wideband Spread Spectrum Digital Systems

- 17 • Also progressed the development of the following:

- 18 • C.P0055-0 v1.0 Packet Switched Video Telephony was approved for
19 publication as C.S0055-0 v1.0 during the interim plenary.

20 **DECISION: C.P0050-B v0.9 3GPP2 File Formats for Multimedia Services**
21 **(C00-20070326-115) was approved without objection for V&V review by the**
22 **3GPP2 OPs and TSG-C with comments due on or before 4 May 2007.**

23 **DECISION: C.P0085-0 v0.9 VoIP Codecs and Protocols (C00-20070326-116)**
24 **was approved without objection for V&V review by the 3GPP2 OPs and TSG-C**
25 **with comments due on or before 4 May 2007.**

26 **DECISION: C.P0018-B v0.35 Minimum Performance Specification for the**
27 **Enhanced Variable Rate Codec, Speech Service Options 3 and 68 for Wideband**
28 **Spread Spectrum Digital Systems (C00-20070326-114) was approved without**
29 **objection as baseline text and remanded back to WG1 for R&F.** The discussion
30 noted that SWG1.1 has decided not to publish a C.S0018 Revision A document to
31 maintain consistency with the referenced EVRC revision.

32 **DECISION: Proposed correspondence to ETSI TC TISPAN WG1 regarding**
33 **Availability and Schedule of EVRC-WB Codec (C00-20070326-113) was**
34 **approved without objection for transmission.**

- 35 • WG2 REPORT: The WG2 report (C00-20070326-102) was presented by the WG2
36 Vice Chair, Kim Chang (Huawei), as FYI.

- 37 • Documents Being Proposed for SC Level Review:

- 38 • C.P0024-B v2.0 cdma2000 High Rate Packet Data Air Interface
39 Specifications

- 1 • C.P0063-A v2.0 cdma2000 High Rate Packet Data Supplemental
2 Services
- 3 • Completed review of all editorial V&V comments related to C.P0084-0
4 Upper Layer UMB Air documents and also made some progress in reviewing
5 technical comments. Detailed discussions will continue on conference calls
6 and at the interim WG2 face-to-face meetings in Vancouver.
- 7 • SWG2.1 will not be meeting during the interim WG2 session in Vancouver.
- 8 **DECISION: C.P0024-B HRPD point release (C00-20070326-126) was approved**
9 **without objection for publication as C.S0024-B v2.0 and liaised to TR45.5.**
- 10 **DECISION: C.P0063-A HRPD Supplemental Services point release (C00-**
11 **20070326-127) was approved without objection for publication as C.S0063-A**
12 **v2.0 and liaised to TR45.5.**
- 13 • WG3 REPORT: The WG3 report (C00-20070326-103) was presented by WG3 Chair,
14 Ed Tiedemann (QUALCOMM), as FYI.
- 15 • WG3 spent most of its time working on resolution of comments on the UMB
16 physical layer document. A total of 1170 V&V comments were received -
17 280 are technical and 890 are editorial. Approximately 80% of the comments
18 were resolved.
- 19 • Resolved outstanding comments for the physical layer of the C.S0024-B
20 point release.
- 21 • The ITU AdHoc group completed the documents to be sent to the ITU-R
22 WP8F for the update of M.1457-7. These documents are required to be
23 approved and liaised to TR45.5 for submittal to the ITU prior to the May 14th
24 deadline. This includes a cover page plus 6 Annexes as follows:
- 25 • Annex 1: Section 5.2.1
26 • Annex 2: Section 5.2.2
27 • Annex 3: The modifications to the global core specification, if
28 applicable
29 • Annex 4: A summary of the proposed update including the
30 rationale for the proposed update
31 • Annex 5: A self-evaluation of the proposed update against the
32 evaluation criteria
33 • Annex 6: A self-declaration that the proposed amendments are
34 self-consistent between Section 5.2.1, Section 5.2.2
35 and the GCS
- 36 • Letters of conveyance are required to be sent to the ITU-R by all 3GPP2 OPs.
37 A Letter of Conveyance for the TIA was prepared by the ITU AdHoc for
38 submittal to the ITU-R. A reminder memo for the OPs to send in their
39 Letters of Conveyance was also prepared.
- 40 **DECISION: Proposed Liaison to ITU-R for Kyoto WP8F meeting (C00-**
41 **20070326-119) was approved without objection to be liaised to TR45.5.**

1 **DECISION: A proposed reminder memo to OPs for Letters of Conveyance for**
2 **M.1457-7 (C00-20070326-118) was approved without objection for transmission.**

- 3 • WG4 REPORT: The WG4 report (C00-20070326-104) was presented by WG4 Co-
4 Chair, Dave Whipple (Agilent), as FYI.
 - 5 • Documents Being Proposed for SC Level Review:
 - 6 • C.P0038-A v1.95 Signaling Conformance Test Specification for
7 HRPD
 - 8 • C.P0062-0 v0.95 Signaling Conformance Test Specification for
9 cdma2000 Data Services
 - 10 • C.P0081-0 v0.95 Signaling Conformance Test Specification for
11 HRPD Supplemental Services
 - 12 • Documents Being Proposed as Baseline Text:
 - 13 • C.S0032-A v1.7 Recommended Minimum Performance Standards for
14 cdma2000 High Rate Packet Data Access Network
 - 15 • C.S0033-A v1.7 Recommended Minimum Performance Standards for
16 cdma2000 High Rate Packet Data Access Terminal

17 **DECISION: C.P0032-A v1.7 Recommended Minimum Performance Standards**
18 **for cdma2000 High Rate Packet Data Access Network (C00-20070326-111) was**
19 **approved without objection as baseline text and remanded back to WG4 for**
20 **R&F.**

21 **DECISION: C.P0033-A v1.7 Recommended Minimum Performance Standards**
22 **for cdma2000 High Rate Packet Data Access Terminal (C00-20070326-112) was**
23 **approved without objection as baseline text and remanded back to WG4 for**
24 **R&F.**

25 **DECISION: C.P0038-A v1.95 Signaling Conformance Test Specification for**
26 **HRPD point release (C00-20070326-108) was approved without objection for**
27 **publication as C.S0038-A v2.0 and liaised to TR45.5.**

28 **DECISION: C.P0062-0 v0.95 Signaling Conformance Test Specification for**
29 **cdma2000 Data Services (C00-20070326-109) was approved without objection**
30 **for publication as C.S0062-0 v1.0 and liaised to TR45.5.**

31 **DECISION: C.P0081-0 v0.95 Signaling Conformance Test Specification for**
32 **HRPD Supplemental Services (C00-20070326-110) was approved without**
33 **objection for publication as C.S0081-0 v1.0 and liaised to TR45.5.**

- 34 • WG5 REPORT: The WG5 report (C00-20070326-105) was presented by the WG5
35 Chair, Bjorn Hjelm (ALLTEL), as FYI.
 - 36 • Completed completeness and consistency checks on one (1) TSG-C WI.
 - 37 • Assigned the following document numbers:
 - 38 • C.S0085-0 v1.0 VoIP Codecs and Protocol
 - 39 • C.S0050-B v1.0 File Formats for Multimedia Services

- 1 • Updated proposed schedule for C.P0084-0 v2.0 based on input from WG2
2 and WG3.
- 3 • Approved proposed update to TSG-C Terms of Reference for Plenary
4 consideration.

5 **DECISION: The following TSG-C WI (C00-20070326-105A) was approved**
6 **without objection:**

Title	TSG-C WI No.
Point Release of Ultra Mobile Broadband (UMB) Air Interface Specification	TSGC-101

7 **DECISION: The proposed schedule for development of C.P0084-0 v2.0 UMB**
8 **Air Interface Specification was adopted without objection as modified by the**
9 **discussion (C00-20070326-105BR2).**

10 **DECISION: The updated TSG-C Terms of Reference (C00-20070326-105C)**
11 **were adopted without objection and approved for transmission to the SC.**

12 **DECISION: Proposed correspondence to TSG-S regarding Proposed WI**
13 **Review (C00-20070326-107) was approved without objection for transmission**
14 **with its attachments.**

15 15. LIAISON REPORTS:

- 16 • OP: No contributions or discussions.
- 17 • SC: No contributions or discussions.
- 18 • 3GPP2 SECRETARIAT: No contributions or discussions.
- 19 • TSG-A: No contributions or discussions.
- 20 • TSG-S: The following contributions were discussed:
 - 21 • The TSG-S Liaison Report for March 2007 (C00-20070326-120) was
22 presented from the TSG-S Liaison as FYI for TSG-C.
 - 23 • Correspondence to TSG-X regarding Status Update of VoIP Supplementary
24 Service Descriptions (C00-20070326-121) was presented from TSG-S.
25 **ACTION: This contribution was remanded to WG2 for review and**
26 **action as appropriate.**
 - 27 • Correspondence to TIA TR45.2 regarding V&V of S.P0121-0 (C00-
28 20070326-122) was presented from TSG-S as FYI for TSG-C.
 - 29 • Correspondence to 3GPP2 SC Chair regarding TSG-S Program Coordination
30 Guidelines (C00-20070326-123) was presented from TSG-S as FYI for TSG-
31 C.
 - 32 • Correspondence to other TSG Chairs regarding TSG-S Program Coordination
33 Guidelines (C00-20070326-124) was presented from TSG-S. **ACTION:**
34 **This contribution was remanded to WG5 for review and action as**
35 **appropriate.**

- 1 • Correspondence to 3GPP SA1 regarding 3GPP LS on "Mobility interworking
2 between 3GPP and 3GPP2 systems" (C00-20070326-125) was presented
3 from TSG-S. **ACTION: This contribution was remanded to all WGs for
4 review and comment with comments to be coordinated by WG3.**
- 5 • TSG-X: No contributions or discussions.
- 6 • TIA: No contributions or discussions.
- 7 • ITU: No contributions or discussions.
- 8 • CDG: No contributions or discussions.
- 9 • OTHER: No contributions or discussions.

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

- 11 • A WI Proposal for UMB Interop Test Requirements (C00-20070326-106) was
12 presented from Alcatel-Lucent, Agilent, Kyocera, and Nortel Networks. **ACTION:
13 This contribution was remanded to WG5 for completeness and consistency
14 checks.**
- 15 • A WI Proposal for Parameter Value Assignments (C00-20070326-117) was
16 presented from Gemalto Gemplus, Kyocera, QUALCOMM, and Toshiba.
17 **ACTION: This contribution was remanded to WG5 for completeness and
18 consistency checks.**

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

20 18. FUTURE MEETING SCHEDULE:

5 April 2007	Interim Plenary Conference Call
14-18 May 2007	Omni San Diego Hotel in San Diego, CA, USA
18-21 June 2007	Empark Grand Hotel Kunming in Kunming, China
23-27 July 2007	Hyatt Regency Calgary in Calgary, AB, Canada

21

22 19. OPEN DISCUSSION AND OTHER BUSINESS: None.

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

25 070212-03 The Chair requested that WG5 consider and propose potential options for
26 WG5 meetings time other than the current Wednesday afternoon schedule.

27 070326-01 A contribution regarding Next Steps in 3GPP2 TSG-C (C00-20070326-
28 026R1) was presented from Alcatel-Lucent was held OPEN at the Plenary level
29 pending further discussions. TSG-C participants were requested to review and
30 comment and bring additional input to this Plenary for the May 2007 meeting.

31 21. ADJOURNMENT: The Plenary was adjourned on 30 March 2007 at 10:28 AM local time.

1

NUMBER	SUBJECT	SOURCE	ACTION
OPENING PLENARY – C00-20070326-			
000	DOCUMENT REGISTER	SECRETARY	FYI
001	AGENDA	CHAIR	APPROVED
002	TSG-C Meeting Summary - February 2007 – Seoul, Korea	SECRETARY	APPROVED
003	Correspondence to all TSGs dated 12 February 2007 regarding Proposed Work Item Review	TSG-S	ALL WGs
004	TSG-S Document Status Table - February 2007	TSG-S	ALL WGs
005	Correspondence to TSG-S dated 16 February 2007 regarding TSG-S Project Coordination Recommendations	TSG-A	FYI
006	Correspondence dated 16 February 2007 regarding AltPPP	TSG-X	WG1
007	Correspondence to TSG-S dated 16 February 2007 regarding Review Items	TSG-X	WG5
008	Correspondence to TSG-S dated 16 February 2007 regarding Review of System Requirements Documents	TSG-X	WG5
009	E-mail correspondence dated 16 February 2007 regarding V&V review of C.P0084-0 v0.88 Physical Layer for Ultra Mobile Broadband (UMB) Air Interface Specification	3GPP2 SECRETARIAT	FYI
010	E-mail correspondence dated 20 February 2007 regarding V&V review of C.P0084-0 v0.6 Overview and Upper Layers for Ultra Mobile Broadband (UMB) Air Interface Specification - 9 Parts	3GPP2 SECRETARIAT	FYI
011	E-mail correspondence dated 16 February 2007 regarding Update to the Work Item Worksheet	3GPP2 SECRETARIAT	ALL WGs
012	LS to 3GPP TSG-CT and 3GPP2 TSG-X dated 5 March 2007 regarding OTA Provisioning	OMA MWG MMSG	WG1
013	LS dated 2 February 2007 regarding Availability and schedule of EVRC-WB codec	ETSI TC TISPAN WG1	WG1
014	LS to 3GPP, 3GPP2, and other organizations dated 8 February 2007 regarding Cell Broadcast Message Identifiers	ITU-T SG2	WG1, WG2
015	TIA ballot comments on C.P0081-0 (PN-3-0269: TIA-1119) Signaling Conformance Test Specification for HRPD Supplemental Services	TIA TR45.5	WG4

NUMBER	SUBJECT	SOURCE	ACTION
016	TIA ballot comments on C.P0055-0 (PN 3-0070-1 TIA 924) Packet Based Video Conferencing Services	TIA TR45.5	WG1
017	E-mail correspondence dated 16 February 2007 regarding SC level approval of C.R0014-B v1.0 Software Distribution for Enhanced Variable Rate Codec (EVRC), Speech Service Options 3 and 68, Specification	3GPP2 SECRETARIAT	FYI
018	LS dated 16 February 2007 regarding results of the first face-to-face meeting of the ITU-T Focus Group on Identity Management	ITU-T FG ON ID MANAGEMENT	FYI
019	E-mail correspondence dated 16 March 2007 regarding SC level approval of C.R1009-0 v1.0 - cdma2000 Multimedia Services Evaluation Methodology: Software Tools	3GPP2 SECRETARIAT	FYI
020	LS dated 26 February 2007 regarding UICC key storage	OMA BCAST	WG1
021	V&V comments regarding C.P0024-B v1.9 cdma2000 High Rate Packet Data Air Interface Specification	3GPP2 SECRETARIAT	WG2, WG3
022	V&V comments regarding C.P0038-A v1.8 Signaling Conformance Specification for High Rate Packet Data Air Interface	3GPP2 SECRETARIAT	WG4
023	V&V comments regarding C.P0063-A v1.9 cdma2000 High Rate Packet Data Supplemental Services	3GPP2 SECRETARIAT	WG2
024	V&V comments regarding C.P0081-0 v0.8 Signaling Conformance Specification for cdma2000 High Rate Packet Data Supplemental Services	3GPP2 SECRETARIAT	WG4
025	V&V comments regarding C.P0084 UMB Air Interface	HUAWEI	WG2, WG3
026	Next Steps in 3GPP2 TSG-C	ALCATEL-LUCENT	ALL WGs
027	V&V comments regarding C.P0084-001-0 v0.88 (Physical Layer for Ultra Mobile Broadband (UMB) Air Interface Specification	3GPP2 SECRETARIAT	WG3
028	CDG Technical Bulletin 070301IRT v1.0 dated 1 March 2007 regarding MEID IOS Issue	CDG	WG2
029	LS to 3GPP and 3GPP2 dated 26 February 2007 regarding OMA BCAST card capabilities	OMA BCAST	WG1
030	V&V comments regarding C.P0084-00x-0 (Upper Layers for Ultra Mobile Broadband <UMB> Air Interface Specification – 9 Parts)	3GPP2 SECRETARIAT	WG2
031	V&V comments regarding C.P0084-0 PHY and Upper Layer UMB Air Interface Specifications	KDDI	WG2, WG3

NUMBER	SUBJECT	SOURCE	ACTION
032	WI Request for C.S0055-A PSVT Rev. A	CHINA UNICOM. QUALCOMM, AND SPRINT-NEXTEL	WG5
033	C.P0084-0-000 Overview for Ultra Mobile Broadband (UMB) Air Interface Specification	TR45.5	WG2
034	C.P0084-0-001 Physical Layer for Ultra Mobile Broadband (UMB) Air Interface Specification	TR45.5	WG3
035	C.P0084-0-002 MAC Layer for Ultra Mobile Broadband	TR45.5	WG2
036	C.P0084-0-003 Radio Link Layer for Ultra Mobile Broadband (UMB) Air Interface Specification	TR45.5	WG2
037	C.P0084-0-004 Application Layer for Ultra Mobile Broadband (UMB) Air Interface Specification	TR45.5	WG2
038	C.P0084-0-005 Security Functions for Ultra Mobile Broadband (UMB) Air Interface Specification	TR45.5	WG2
039	C.P0084-0-006 Connection Control Plane for Ultra Mobile Broadband (UMB) Air Interface Specification	TR45.5	WG2
040	C.P0084-0-007 Session Control Plane for Ultra Mobile Broadband (UMB) Air Interface Specification	TR45.5	WG2
041	C.P0084-0-008 Route Control Plane for Ultra Mobile Broadband (UMB) Air Interface Specification	TR45.5	WG2
042	C.P0084-0-009 Broadcast-Multicast Upper Layers for Ultra Mobile Broadband (UMB) Air Interface Specification	TR45.5	WG2
043	Correspondence to TIA dated 2 May 2007 regarding C.P1008-0 PN 3-0241 (TSB-169) cdma2000 Multimedia Services Evaluation Methodology	TR45.5	WG1
044	Correspondence to TIA dated 2 May 2007 regarding C.P9006-0 PN 3-48760AD1, Markov Service Option for cdma2000 Spread Spectrum Systems	TR45.5	WG4
045	V&V comments regarding C.P0084-0 UMB Air Interface Specifications	ZTE	WG2, WG3
046	V&V comments regarding C.P0084-0 UMB Air Interface Specifications	VIA TELECOM	WG2, WG3
047	Additional V&V comments regarding C.P0084-0 UMB Air Interface Specifications	RIM	WG2

NUMBER	SUBJECT	SOURCE	ACTION
048	E-mail correspondence dated 23 March 2007 regarding REMAND from SC Chair: Clean/Rev-Marked documents in 3GPP2	WPD ADHOC	ALL WGs
049	WI Request for Enhanced System Selection (ESS)	AIRVANA, SPRINT-NEXTEL, AND VIA TELECOM	WG5
050	V&V comments regarding C.P0084-0 UMB Air Interface Specifications	LGE	WG2, WG3
051	V&V comments regarding C.P0024-B HRPD	AIRVANA	WG2
052	3GPP2 Workplan files – March 2007	3GPP2 SECRETARIAT	ALL WGs
INTERIM PLENARY – C00-20070326-			
070	C.P0055-0 v0.91 Packet Switched Video Telephony proposed publication text	WG1	APPROVED
071	TIA ballot comments on C.P0063-A (PN-3-0181-RV1-AD1) High Rate Packet Data Supplemental Packet Services (if approved, to be published as TIA-1054-A-1)	TIA TR45.5	WG2
072	TIA ballot comments on C.P0024-B (PN-3-4875-RV2-AD1) cdma2000® High Rate Packet Data Air Interface Specification (if approved, to be published as TIA-856-B-1)	TIA TR45.5	WG2, WG3
CLOSING PLENARY – C00-20070326-			
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 APPROVED
106	WI Proposal for UMB Interop Test Requirements	ALCATEL-LUCENT, AGILENT, KYOCERA, AND NORTEL NETWORKS	WG5
107	Proposed correspondence regarding Proposed Work Item Review	WG5	FYI
108	C.P0038-A v1.95 Signaling Conformance Test Specification for HRPD proposed publication text	WG4	APPROVED

NUMBER	SUBJECT	SOURCE	ACTION
109	C.P0062-0 v0.95 Signaling Conformance Test Specification for cdma2000 Data Services proposed publication text	WG4	APPROVED
110	C.P0081-0 v0.95 Signaling Conformance Test Specification for HRPD Supplemental Services proposed publication text	WG4	APPROVED
111	C.P0032-A v1.7 Recommended Minimum Performance Standards for cdma2000 High Rate Packet Data Access Network proposed baseline text	WG4	APPROVED
112	C.P0033-A v1.7 Recommended Minimum Performance Standards for cdma2000 High Rate Packet Data Access Terminal proposed baseline text	WG4	APPROVED
113	Proposed correspondence to ETSI TC TISPAN WG1 re Availability and Schedule of EVRC-WB Codec	WG1	APPROVED
114	C.P0018-B v0.35 "Minimum Performance Specification for the Enhanced Variable Rate Codec, Speech Service Options 3 and 68 for Wideband Spread Spectrum Digital Systems" proposed baseline text	WG1	APPROVED
115	C.P0050-B v0.9 "3GPP2 File Formats for Multimedia Services" proposed V&V text	WG1	APPROVED
116	C.P0085-0 v0.9 "VoIP Codecs and Protocols" proposed V&V text	WG1	APPROVED
117	WI Proposal for Parameter Value Assignments	GEMALTO GEMPLUS, KYOCERA, QUALCOMM, AND TOSHIBA	WG5
118	Reminder memo to OPs for Letters of Conveyance for M.1457-7	WG3	APPROVED
119	Proposed Liaison to ITU-R for Kyoto WP8F meeting	WG3	APPROVED
120	TSG-S Liaison Report – March 2007	TSG-S LIAISON	FYI
121	Correspondence to TSG-X regarding Status Update of VoIP Supplementary Service Descriptions	TSG-S	WG2
122	Correspondence to TIA TR45.2 regarding V&V of S.P0121-0	TSG-S	FYI
123	Correspondence to 3GPP2 SC Chair regarding TSG-S Program Coordination Guidelines	TSG-S	FYI
124	Correspondence to other TSG Chairs regarding TSG-S Program Coordination Guidelines	TSG-S	WG5

NUMBER	SUBJECT	SOURCE	ACTION
125	Correspondence to 3GPP SA1 regarding 3GPP LS on "Mobility interworking between 3GPP and 3GPP2 systems"	TSG-S	ALL WGs
126	C.P0024-B HRPD point release proposed publication text	WG2	APPROVED
127	C.P0063-A HRPD Supplemental Services point release proposed publication text	WG2	APPROVED

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3GPP2 QUORUM ROLL CALL
 TSG-C (CDMA2000)
 Atlanta, GA, USA
 30-Mar-07

INDIVIDUAL MEMBER COMPANY	Attendance	Attendance	Attendance	Consec Mtgs	Voting Status	Quorum Status	Voting Status	Quorum Status
	OPENING 3/26/2007	INTERIM 3/27/2007	CLOSING 3/30/2007	Missed Including this Mtg	This Meeting	This Meeting	Next Meeting*	Next Meeting*
AEROFLEX				2	0	0	0	0
AGILENT TECHNOLOGIES	1			0	1	1	1	1
AIRCELL				1	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	1			0	0	0	1	0
DOCOMO US LABORATORIES				2	1	1	1	1
ERICSSON	1			0	1	1	1	1
ETRI	1			0	1	1	1	1
FRANCE TELECOM				3	0	0	0	0
FUJITSU				1	1	1	1	1
GEMALTO AXALTO S.A.				3	0	0	0	0
GEMALTO GEMPLUS CORPORATION				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	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
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				1	1	1	1	1
ROHDE & SCHWARZ	1			0	1	1	1	1
SAMSUNG	1			0	1	1	1	1
SIEMENS	1			0	1	1	1	1
SK TELECOM				1	1	1	1	1
SPIRENT COMMUNICATIONS			1	0	0	0	1	0
SPRINT/NEXTEL	1			1	1	1	1	1
TCS				3	0	0	0	0
TELCORDIA				3	0	0	0	0
TELCOWARE				1	1	0	1	1
TOSHIBA	1			0	1	1	1	1
VERIZON WIRELESS	1			0	1	1	1	1
VIA TELECOM	1			0	1	1	1	1
ZTE				0	1	1	1	1
TOTALS	25	0	0		34	33	36	34
QUORUM CALCULATION	76%	0%	0%					
ADDITIONS								
TELLABS		1						
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

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