1   **Title:**

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

3   **for 8-12 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-C meetings that were held during the period of
18   8-12 October 2007 in Long Beach, CA, USA.

19

20   **Recommendations:**

21   For review and approval.

22

23   **Notice:**

1 During the period of 8-12 October 2007, 3GPP2 TSG-C meetings were held at the Renaissance
2 Long 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 9:51 AM local time by TSG-C Chair, Dennis Gentzler (Alltel).

7 The Chair welcomed everyone to Long Beach, CA.

8 The Chair noted that active TSG-C member, Donghee Kim (Samsung), has undergone some
9 medical treatments and noted that he reported that his recovery is going well. The Chair
10 expressed the best wishes of the TSG and the hopes that he will return to active participation
11 soon.

12 The Chair noted the return of S. Vasudevan (Alcatel-Lucent) to active participation and
13 congratulated him on the birth of his twins.

14 The Chair advised that the objectives of this meeting included the following:

15   •   NTAH related actions with near-term timelines

16   •   UMB characterization

17   •   C.S0057-C Band Class specification baseline and V&V release

18   •   Evaluation of the revised 3GPP2 PPA with respect to the TSG-C Terms of Reference.

19   •   WG Chairs to provide evaluation of TSG-C technical writer requirements for 2008
20   regarding requested by the 3GPP2 Secretariat.

21 2.   ATTENDANCE REGISTRATION AND ROLL CALL: A roll call of companies indicated
22   that 24 companies included on the list of 33 active quorum members were present (73%
23   participation). Thus, meeting quorum was achieved.

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

25 3.   INTRODUCTION AND NUMBERING OF CONTRIBUTIONS: Contributions were
26   loaded onto the 3GPP2 LAN server and listed in the document register (C00-20071008-
27   000).

28 4.   AGENDA APPROVAL: The proposed agenda (C00-20071008-001) was presented.

29 **DECISION: The agenda was approved without objection as revised (C00-20071008-**
30 **001R1).**

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

6.   APPROVAL OF PREVIOUS MEETING SUMMARY: The summary of the TSG-C meeting for August 2007 that was held in Montreal, PQ, Canada (C00-20071008-002) was presented. **DECISION: This meeting summary was approved without objection as submitted (C00-20071008-002).**

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

070723-03 The revised TSG-C Terms of Reference (C00-20070723-115A) are being held open at the Plenary level until the next SC pending disposition of on-going OP discussions regarding 3GPP2 scope.

ACTION: This contribution was remanded to WG1 for review and action as appropriate.

070723-04   ITU AdHoc to develop and provide NTAH with a list of documents together with the submission dates for IMT-Advanced.

The ITU AdHoc Chair noted that this item would be addressed this week. This action was held open until the closing Plenary.

070827-01   Correspondence to all TSGs dated 27 July 2007 regarding Proposed Work Item Review from TSG-S (C00-20070827-004) was remanded to all WGs for review and comment with comments to be coordinated by WG1 by the October 2007 meeting.

This action was held open until the closing Plenary.

070827-02   An LS to External Organizations regarding Material for the Land Mobile handbook on the Deployment of Broadband Wireless Access Systems from ITU-R WP8A (C00-20070827-018) was remanded to all WGs for review and comment with comments to be coordinated by the ITU AdHoc by the November 2007 meeting in Osaka for reply by 1 December 2007.

This action is still ongoing.

070827-03   NGMN Alliance Performance Evaluation Methodology from the NGMN TWG-SC (C00-20070827-039) was remanded to WG3 and NTAH for review and comment with comments to be coordinated by NTAH by the October 2007 meeting and to all other WGs as FYI.

This action was held open until the closing Plenary.

070827-04   Correspondence to all TSGs dated 30 August 2007 regarding IPBE NAM joint TSG comment session from TSG-S (C00-20070827-134) was remanded to WG1 and WG2 for review and comment with comments to be coordinated by WG2. WG2 was also named to be the lead group for TSG-C representation to this joint TSG session.

This action was held open until the closing Plenary.

1   070827-05   TSG-C Chair confirmation of the appointment of Chandru Sundarraman
2   (QUALCOMM) as the new SWG1.2 Vice-Chair is required.

3   **DECISION: Chandru Sundarraman (QUALCOMM) was confirmed as the**
4   **new SWG1.2 Vice-Chair.**

5   8.   LIAISON REPORTS:

6   •   OP: No contributions or discussion.

7   •   SC: No contributions or discussion.

8   •   3GPP2 SECRETARIAT: The following contributions were discussed:

9   •   E-mail correspondences regarding the SC level review and approval of
10   C.R0014-C v1.0 Software Distribution for Enhanced Variable Rate Codec
11   (EVRC), Speech Service Options 3, 68, and 70, Specification (C00-
12   20071008-008) were presented from the 3GPP2 Secretariat as FYI for
13   TSG-C.

14   •   E-mail correspondences regarding the SC level review and approval of
15   C.R1010-0 v1.0 Software Distribution for H.263 Video Codec for 3GPP2
16   Packet Switched Multimedia Services (C00-20071008-009) were presented
17   from the 3GPP2 Secretariat as FYI for TSG-C.

18   •   E-mail correspondences regarding the SC level review and approval of
19   C.S0033-A v2.0 Recommended Minimum Performance Standards for
20   cdma2000 High Rate Packet Data Access Terminal (C00-20071008-010)
21   were presented from the 3GPP2 Secretariat as FYI for TSG-C.

22   •   E-mail correspondences regarding the SC level review and approval of
23   C.S0083-0 v1.0 Video Codec for 3GPP2 Packet Switched Multimedia
24   Services - H.263 (C00-20071008-011) were presented from the 3GPP2
25   Secretariat as FYI for TSG-C.

26   •   E-mail correspondences regarding the SC level review and approval of
27   C.S0084-0 v2.0 Ultra Mobile Broadband (UMB) Air Interface Specification
28   – 10 Parts .zip file (Including Physical and Upper Layers) (C00-20071008-
29   012) were presented from the 3GPP2 Secretariat as FYI for TSG-C.

30   •   E-mail correspondences dated 6 September 2007 regarding Re-Publication of
31   TSG-C Specifications (3 Documents) (C00-20071008-013) were presented
32   from the 3GPP2 Secretariat as FYI for TSG-C.

33   •   C.S0084-0 v2.0 Ultra Mobile Broadband (UMB) Air Interface Specification
34   final publication text with some cover labels modified from C.P0084-xxx-0
35   to C.S0084-xxx-0 (C00-20071008-014) were presented from the 3GPP2
36   Secretariat as FYI for TSG-C.

37   •   3GPP2/CDG press release dated 24 September 2007 regarding ULTRA
38   MOBILE BROADBAND (UMB) SPECIFICATION IS PUBLISHED (C00-
39   20071008-015) was presented from the 3GPP2 Secretariat as FYI for TSG-C.

- 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 (C00-20071008-016) were presented from the 3GPP2 Secretariat. **ACTION: This contribution was remanded to WG1 for review and comment with regard to the TSG-C Terms of Reference and to all WGs as FYI.**

- 3GPP2 Workplan for October 2007 (C00-20071008-017) were presented from the 3GPP2 Secretariat. **ACTION: This contribution was remanded to all WGs for review and comment with comments to be coordinated by WG1.**

- TSG-A: Correspondence to TSG-C and TSG-X dated 31 August 2007 regarding UMB IOS issues for TSG-C and TSG-X (C00-20071008-004) was presented from TSG-A. **ACTION: This contribution was remanded to WG2 for review and action as appropriate.**

- TSG-S: The TSG-S Document Status Table for August 2007 (C00-20071008-003) was presented from TSG-S. **ACTION: This contribution was remanded to all WGs for review and comment with comments to be coordinated by WG1.**

- TSG-X: The following contributions were discussed:

  - Correspondence to TSG-S dated 31 August 2007 regarding Review Items (C00-20071008-005) was presented from TSG-X. **ACTION: This contribution was remanded to WG1 for review and action as appropriate.**

  - Correspondence to TSG-S dated 31 August 2007 regarding 2G R-UIM IMS Security (C00-20071008-006) was presented from TSG-X. **ACTION: This contribution was remanded to WG1 and WG2 for review and action as appropriate with comments, if any, to be coordinated by WG1.**

  - Correspondence to the 3GPP2 SC Chair and all TSGs dated 31 August 2007 regarding Common IMS (C00-20071008-007) was presented from TSG-X. **ACTION: This contribution was remanded to WG1 and WG2 for review and action as appropriate with comments, if any, to be coordinated by WG1.**

- TR45: The following contributions were discussed:

  - ITU-R WP8A LS to External Organizations regarding MATERIAL FOR THE LAND MOBILE HANDBOOK ON THE DEPLOYMENT OF BROADBAND WIRELESS ACCESS SYSTEMS (C00-20071008-025) was presented from TIA TR45.5. **ACTION: This contribution was remanded to all WGs and the ITU AdHoc for review and comment with comments to be coordinated by the ITU AdHoc by closing Plenary.**

- Proposed Revisions to Annex 1 of the Preliminary Draft New Recommendation ITU-R M.[LMS.PPDR. VHF/UHF] (C00-20071008-026) was presented from TIA TR45.5. **ACTION: This contribution was remanded to WG3 and the ITU AdHoc for review and comment with comments to be coordinated by the ITU AdHoc.**

- ITU-R WP8F Liaison statement to external organisations on minimum performance requirements and evaluation guidelines for IMT-Advanced (C00-20071008-027) was presented from TIA TR45.5. **ACTION: This contribution was remanded to WG3 and NTAH for review and comment with comments to be coordinated by NTAH.**

- ITU-R WP8F Liaison statement to relevant external Organizations on the schedule for updating Recommendation ITU-R M.1457 to Revision 8 (C00-20071008-028) was presented from TIA TR45.5. **ACTION: This contribution was remanded to the ITU AdHoc for review and action as appropriate and to all WGs and NTAH as FYI.**

- TIA Legal comments on TIA-924 (C00-20071008-029) were presented from TIA TR45.5. **ACTION: This contribution was remanded to WG1 for review and action as appropriate.**

- Notice of document number change for TIA-1133 (C.S0083-0) Software distribution for H.263 Video Codec for 3GPP2 Packet Switched Multimedia Services to TIA-1131 (C00-20071008-030) was presented from TIA TR45.5. **ACTION: This contribution was remanded to WG1 for review and action as appropriate.**

- TIA Legal comments on TIA-1054-A (C.S0063-A) High Rate Packet Data Supplemental Services (C00-20071008-031) were presented from TIA TR45.5. **ACTION: This contribution was remanded to WG2 for review and action as appropriate.**

- TIA Legal comments on TIA-856-B (C.S0024-B) High Rate Packet Data Air Interface Specification (C00-20071008-032) were presented from TIA TR45.5. **ACTION: This contribution was remanded to WG2 and WG3 for review and comment with comments to be coordinated by WG2.**

- ITU: No contributions or discussion.

- CDG: The following contributions were discussed:

- Correspondence dated 1 October 2007 regarding IETF Internet Draft References in 3GPP2 Published Documents (C00-20071008-021) was presented from CDG as FYI for TSG-C.

- Correspondence dated 29 September 2007 regarding NTAH Next Generation System Requirement correspondence dated 8/31/07 (C00-20071008-022) was presented from CDG. **ACTION: This contribution was remanded to NATH for review and action as appropriate.**

1   •   OMA: No contributions or discussion.

2   •   3GPP/ETSI: An LS dated 20 September 2007 on Codecs and Common IMS (C00-
3   20071008-023) was presented from 3GPP SA. **ACTION: This contribution was**
4   **remanded to WG1 for review and action as appropriate.**

5   •   Other: No contributions or discussion.

6   9.   WORKING GROUP REPORTS:

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

9   •   The 3GPP2 Secretariat is still investigation the use of Galileo documents as
10   normative references in 3GPP2 documents.

11   •   The WG1 work planning discussions will be held during the 1:30-3:30 PM
12   timeframe on Wednesday.

13   •   WG1 is coordinating the TSG requirements for tech writers. All WGs and
14   AdHocs were requested to provide WG1 with any needs in their respective
15   groups.

16   •   WG1 is also coordinating the review of the recently modified 3GPP2 PPA to
17   determine whether or not modifications will be required to the TSG-C Terms
18   of Reference.

19   **DECISION: TIA Legal comment resolution for TIA-718-B EVRC-B MPS**
20   **(C00-20071008-018) was approved without objection to be liaised to TIA**
21   **TR45.5.**

22   **DECISION: C.P0018-C v0.3 Minimum Performance Specification for the**
23   **Enhanced Variable Rate Codec, Speech Service Options 3, 68, and 70 for**
24   **Wideband Spread Spectrum Digital Systems (C00-20071008-019) was approved**
25   **without objection as baseline text and remanded back to WG1 for R&F.**

26   **DECISION: C.P0018-C v0.2 Software Distribution for Software Distribution**
27   **for Enhanced Variable Rate Codec (EVRC), Speech Service Options 3, 68, and**
28   **70, Minimum Performance Specification (MPS) (to be published as C.R0018-C**
29   **v1.0) (C00-20071008-020) was approved without objection as baseline text and**
30   **remanded back to WG1 for R&F.**

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

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

34   **ACTION: The Chair requested that all WGs and AdHocs provide any input**
35   **they may have on the response to TSG-X on CAN QoS issues.**

1
2
- WG3 REPORT: A verbal report of the WG3 activities was presented by WG3 Chair, Ed Tiedemann (Qualcomm), as FYI.

3
4
5
6
WG3 Chair noted that C.P0057- C Band Class Specification for cdma2000 Spread Spectrum Systems may be ready for both baseline & V&V approval this meeting cycle and requested an interim plenary session to advance the document predicated on progress within WG3.

7
No actions were requested of the Plenary at this time

8
9
10
11
DECISION: The Chair announced that an interim Plenary has been scheduled for Wednesday at 8:45 AM local time to consider approval of the C.S0057-C Band Class document as baseline text. The Chair will cancel this meeting via the TSG-C e-mail exploder if this document is not ready.

12
13
14
The Chair noted that the need for a potential interim Plenary conference call will be considered on Wednesday. If that call is needed, it will be scheduled for 25 October 2007.

15
16
- WG4 REPORT: A verbal report of the WG4 activities was presented by WG4 Co-Chair, Dave Whipple (Agilent) as FYI.

17
18
19
20
The WG4 Co-Chair noted that the HRPD Rev. B MPS specifications have been delayed. However, the development effort on this document may also benefit from an interim Plenary on 25 October 2007 to accelerate the completion of those documents.

21
No actions were requested of the Plenary at this time.

22
23
The WG4 Co-Chair noted that the UMB MPS documents have not been started and no schedule is current available.

24
25
26
27
ACTION: The Chair stressed the urgency of the timely completion of both the HRPD Rev. B MPS & UMB MPS documents and he issued a call for contributions and manpower support both efforts in WG4 for the completion of these documents ASAP.

28
29
ACTION: The Chair requested that the WG4 leadership provide an assessment of progress and timing regarding completion of these items.

30
31
- NTAH REPORT: A verbal report of NTAH activities was presented by NTAH Chair, Anthony Soong (Huawei), as FYI.

32
No actions were requested of the Plenary at this time.

33
34
- ITU REPORT: A verbal report of ITU AdHoc activities was presented by ITU AdHoc Chair, Ron Ferguson (Sprint-Nextel), as FYI.

35
No actions were requested of the Plenary at this time.

36
37
ACTION: The Chair issued a call for volunteers for the position of ITU AdHoc Vice-Chair.

1 10.   OLD BUSINESS: A Work Item Proposal for a new Air-to-Ground CDMA Band Class
2   (C00-20071008- 024) was presented from Aircell, Qualcomm, and ZTE. **ACTION: This**
3   **contribution was remanded to WG1 for review and action as appropriate and WG3 as**
4   **FYI.**

5 11.   ITU PROCESS/APPROVAL: No contributions or discussion.

6 12.   NEW BUSINESS: A contribution regarding Integrating Femto-cell into the cdma2000
7   1xRTT and EV-DO and the UMB Environments (C00-20071008-033) was presented from
8   Via Telecom and IPComm. **ACTION: This contribution was remanded to WG1, WG2,**
9   **and WG3 for review and action as appropriate.**

10 The following reminders were noted for the group:

11 •   TSG-C Chair's meeting will be held on Wednesday during the 7:30-8:30 AM period in the
12   WG1 meeting room.

13 •   A decision will be made by the Chair on Wednesday on whether or not an interim Plenary,
14   targeted for 25 October 2007, will be required.

15 •   A CDG Evolution Team meeting of operators and manufacturers will be held on Tuesday,
16   9 October 2007 during the 5:00-6:00 PM timeframe. The location of this meeting is still
17   pending final confirmation and notification will be provided accordingly.

18 This session was recessed on 8 October 2007 at 11:21 AM local time.

19

20

21 **INTERIM PLENARY:**

22 The meeting was reconvened on 10 October 2007 at 8:58 AM local time.

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

25 9.   WORKING GROUP REPORTS (continued):

26 •   WG3 REPORT: The following contribution was discussed:

27   **DECISION: C.P0057-C Band Class specification (C00-20071008-050) was**
28   **approved without objection as baseline text and remanded back to WG3 for**
29   **R&F.**

30 The previous remanded action for the Proposed Revisions to Annex 1 of the Preliminary Draft New
31 Recommendation ITU-R M.[LMS.PPDR. VHF/UHF] (C00-20071008-026) was revised as follows:
32 **ACTION: This contribution was remanded to WG3 and the ITU AdHoc for review and**
33 **comment with comments to be coordinated by WG3.**

34 The Chair advised that 3GPP2 TSG-C had been invited to make a presentation at the Wireless
35 World Research Forum (WWRF) during the period of 5-7 November 2007 in Chennai, India.
36 **DECISION: The Chair initiated a WWRF AdHoc with the charter to review and update, as**
37 **needed, the previously approved 3GPP2 presentations in preparation for the WWRF. This**
38 **AdHoc will be chaired by Kim Chang TSG-C Vice-Chair (Huawei).**

1 The Chair noted that both WG3 and NTAH were working jointly to provide input into NGNM in
2 reference to action item 070827-03.

3 The Chair indicated that, given the progress on the C.P0057-C Band Class document at this interim
4 session, there is currently no need to schedule an interim Plenary conference call in October.

5 The Chair noted that Kim Chang, Vice Chair, with the assistance of Vice-Chair Soonyil Kwon,
6 would preside over the closing plenary session.

7 This session was recessed on 10 October 2007 at 9:05 AM local time.

8

9

10 **CLOSING PLENARY:**

11 The meeting was reconvened on 12 October 2007 at 8:48 AM local time.

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

14 13. WORKING GROUP REPORTS:

15 • WG1 REPORT: The WG1 report (C00-20071008-101R2) was presented by WG1
16 Chair, Doug Dunn (Kyocera), as FYI.

17 • Documents Being Proposed for SC Level Review: None.

18 • Documents Being Proposed for V&V:
19 • C.P0018-C v0.45 Minimum Performance Specification for the
20 Enhanced Variable Rate Codec, Speech Service Options 3, 68, and 70
21 for Wideband Spectrum Digital Systems (to be published as C.S0018-
22 C v1.0)

23 • Documents Being Proposed for Baseline: None.

24 • Also progressed the development of the following:
25 • C.P0018-B Software Distribution for Enhanced Variable Rate Codec
26 (EVRC), Speech Service Options 3 and 68, Minimum Performance
27 Specification (to be published as C.R0018-B v1.0) is in preparation
28 for extended V&V, completion was impacted by the performance of
29 the network/internet.
30 • C.P0018-C Software Distribution for Enhanced Variable Rate Codec
31 (EVRC), Speech Service Options 3, 68, and 70 Minimum
32 Performance Specification (to be published as C.R0018-C v1.0) R&F
33 was not completed. Completion was impacted by the performance of
34 the network/internet.
35 • C.P0016-D Over-the-Air Service Provisioning and Parameter
36 Administration (to be published as C.S0016-D v1.0)

- WG1 was assigned to coordinate TSG requirements for tech writer support for 2008. WG2 and WG3 have reported that no support is required. WG1 is requesting support for C.R1001. SWG4.2 has requested support for five documents. In all, an estimated 2000 hours will be required for the tech writer services for TSG-C.

- The TSG-C terms of reference were reviewed under consideration of the revised partnership agreement for 3GPP2 provided in C00-20071008-016. There was limited participation from other WGs. The following items were recommended for review or consideration:
    - The ToR begins, "The TSG cdma2000® (TSG-C)…". The name appears incomplete. It should be cdma2000 Air Interface, for example to be complete. It was also discussed if the name should include cdma2000 or not. It is not clear that future work will be part of cdma2000 (i.e., work for IMT-Advanced).
    - Section 2.3 Scopes and objectives of 3GPP2 states, 3GPP2 shall prepare, approve and maintain the necessary set of Technical Specifications and Technical Reports for a 3rd Generation and beyond Mobile System including:
        - cdma2000
        - …
        - Interface of 3GPP and 3GPP2 radio access technology to 3GPP2 Core Network evolved from ANSI-41
    - A question was raised if TSG-C is limited to cdma2000 because it is specifically listed. Or should the list be considered to include but not be limited by. Please note, the third bullet refers to 3GPP2 radio access technology and not cdma2000.
    - It was also suggested that "and beyond" be added to the following:

        Specifically, it has a responsibility for:

        requirements, functions and interface for cdma2000® Infrastructure and User Terminal Equipment and beyond;
    - It was also discussed that the ToR that was approved at the July meeting (C00-20070723-115A) be rescinded and the ToR prior to the WG1 modifications be maintained with the above changes. This is in line with the understanding expressed in the SC report from June 2007 stating the TSG-C ToR didn't need to change because of the collaborative agreement.
    - There was a contribution introduced suggesting that word video be removed in two places from the original ToR. This item requires further discussion and should be socialized with members of TSG-X prior to approving a modification.
    - The ToR will be discussed during the November meeting.

1 **DECISION: The following TSG-C WI (C00-20071008-105A) was approved**
2 **without objection:**

Title	TSG-C WI No.
Position Support for UMB	TSGC-107
Duplex Option for UMB	TSGC-108
UMB System Selection	TSGC-109

3 **DECISION: C.P0018-C v0.45 Minimum Performance Specification for the**
4 **Enhanced Variable Rate Codec, Speech Service Options 3, 68, and 70 for**
5 **Wideband Spread Spectrum Digital Systems (C00-20071008-131) was approved**
6 **without objection to be released for V&V review by the 3GPP2 OPs and TSG-C**
7 **participants with comments due on or before Friday 30 November 2007.**

8 **DECISION: Proposed correspondence to SC 29/WG 11 regarding Joint Coding**
9 **of Speech and Audio (C00-20071008-130A) was approved without objection for**
10 **transmission.**

11 **DECISION: TIA format comment resolution for TIA-718-B EVRC-B (C00-**
12 **20071008-132) was approved without objection to be liaised to TR45.5.**

13 **DECISION: Legal comment resolution for TIA-915-A-1 [E] CCAT (C00-**
14 **20071008-133) was approved without objection to be liaised to TR45.5.**

15 • WG2 REPORT: The WG2 report (C00-20071008-102) was presented by the WG2
16   Chair, Orlett Pearson (Alcatel-Lucent), as FYI.

17   • Approved the following documents to be recommended as updated
18   publication text:
19   • C.S0024-B v1.0 "cdma2000® High Rate Data Air Interface
20   Specification"
21   • C.S0024-B v2.0 "cdma2000® High Rate Data Air Interface
22   Specification"
23   • TIA-856-B "cdma2000® High Rate Data Air Interface Specification"
24   • TIA-856-B-1 "cdma2000® High Rate Data Air Interface
25   Specification"
26   • C.S0005-D v2.0 Upper Layer Signaling for cdma2000 Spread
27   Spectrum Systems

28   • The WG2 Chair represented TSG-C in joint TSG discussion on the
29   publication schedule for S.P0124-0 IP-Based Evolved (IPBE) Network
30   Architecture Model (NAM). S.R0124-0 will be presented for V&V during
31   the December meeting and will include all Core Air Interface Specifications
32   for UMB.

33   • WG2 determined that they will not need a tech writer for 2008.

34 **DECISION: C.S0024-B v1.0 cdma2000 High Rate Data Air Interface (C00-**
35 **20071008-106) was approved without objection as updated publication text and**
36 **liaised to TIA TR45.5.**

1　　　　**DECISION: C.S0024-B v2.0 cdma2000 High Rate Data Air Interface**
2　　　　**Specification (C00-20071008-108) was approved without objection as updated**
3　　　　**publication text and liaised to TIA TR45.5.**

4　　　　**DECISION: TIA-856-B cdma2000High Rate Data Air Interface Specification**
5　　　　**(C00-20071008-109) was approved without objection to be liaised to TR45.5 as**
6　　　　**updated publication text.**

7　　　　**DECISION: TIA-856-B-1 cdma2000 High Rate Data Air Interface**
8　　　　**Specification (C00-20071008-110) was approved without objection to be liaised**
9　　　　**to TR45.5 as updated publication text.**

10　　　**DECISION: Proposed correspondence to TSG-X regarding CAN QoS (C00-**
11　　　**20071008-111) was approved without objection for transmission.**

12　　　**DECISION: Proposed correspondence to TSG-A regarding PMK Parameter**
13　　　**Change (C00-20071008-112) was approved without objection for transmission**

14　　　**DECISION: C.S0005-D v2.0 Upper Layer Signaling Specification for**
15　　　**cdma2000 (C00-20071008-113) was approved without objection as updated**
16　　　**publication text.**

17　　　• 　WG3 REPORT: The WG3 report (C00-20071008-103) was presented by WG3 Vice-
18　　　　　Chair, Anthony Soong (Huawei), as FYI.

19　　　　　•　　Recommending C.S0057-C Band Class Specification for V&V

20　　　　　•　　WG3 has scheduled an EMAH AdHoc conference call on 23 October 2007 at
21　　　　　　　5PM PST.

22　　　　　•　　WG3 reviewed its existing Terms of Reference as it relates to the revision in
23　　　　　　　the 3GPP2 Partnership Project Agreement. The existing Terms of Reference
24　　　　　　　describe a wide range of potential physical layer activities and are not
25　　　　　　　restrictive to any particular technique. Thus, no change seems necessary.
26　　　　　　　They did note the use of words "cdma2000 TSG (TSG-C)". The use of these
27　　　　　　　words in many of our documents is more an issue that the Plenary may want
28　　　　　　　to address.

29　　　**DECISION: C.P0057-C Band Class specification (C00-20071008-115) was**
30　　　**approved without objection to be released for V&V review by the 3GPP2 OPs**
31　　　**and TSG-C participants with comments due on or before Friday 30 November**
32　　　**2007.**

33　　　**Proposed correspondence to NGNM regarding NGMN evaluation methodology**
34　　　**(C00-20071008-116) was approved without objection for transmission pending**
35　　　**removal of TSG-A and TSG-S from the cc list by the Secretary.**

1 A concern was expressed by the WG2 Chair that the 5 PM PST conference call
2 schedule impacted east coast participants evening activities and suggested that the
3 conference calls be alternated in time to "share the pain" of conference call
4 participants among all participants. The discussion clarified that this was an EMAH
5 conference call, not WG3, and that this conference call had been scheduled by
6 approval of EMAH participants. The Chair recognized that scheduling of conference
7 calls with international participation should recognize meeting time concerns of all
8 participants. However, he directed that concerns on the EMAH be discussed in that
9 group.

10 • WG4 REPORT: The WG4 report (C00-20071008-104) was presented by WG4 Co-
11 Chair, Dave Whipple (Agilent), as FYI.

12 • Proposed R&F versions of C.S0032-B (Recommended Minimum
13 Performance Standards for cdma2000 High Rate Packet Data Access
14 Network) and C.S0033-B (Recommended Minimum Performance Standards
15 for cdma2000 High Rate Packet Data Access Terminal) (v 0.7) are
16 anticipated for the November 2007 meeting.

17 • Work on bug fixes for HRPD Rev. A MPS documents is nearing completion.
18 Completion of rev HRPD Rev. B work will follow in the next few months.

19 • As discussed in a recent TSG-C Chair's meeting, WG4 has taken an action to
20 begin consideration of a projected schedule for publication of the UMB MPS
21 documents.

22 No actions requested from Plenary at this time.

23 • NTAH REPORT: The NTAH report (C00-20071008-105) was presented by the
24 NTAH Chair, Anthony Soong (Huawei), as FYI.

25 • NTAH is considering input from the ITU AHG on the time line in the ITU.

26 • NTAH continues to review potential next generation requirements. A draft
27 summary is being planned for the next meeting.

28 • NTAH is reviewing the ITU evaluation methodology and plans to draft a
29 response to the ITU for consideration at the next meeting.

30 No actions requested from Plenary at this time.

31 • ITU ADHOC REPORT: The ITU AdHoc report (C00-20071008-134) was
32 presented by the ITU AdHoc Chair, Ron Ferguson (Sprint-Nextel), as FYI.

33 • For the M.1457-7 update, Certification of References and Transposition,
34 Final References and Letters of Conveyance needs to be sent to the ITU by
35 Jan 31, 2008. For the November 3GPP2 meeting the final references and
36 letters of conveyance will be updated to contain the latest 3GPP2 documents.

37 A memo will also be sent to the OPs at the November meeting, reminding
38 them of their input to the ITU-R by the January 31st deadline. The
39 Certification of References and Transposition, Final References and Letters
40 of Conveyance will be attached to this memo.

- WP8F is considering revisions to the emission mask documents M.1580 & M.1581. 3GPP2 should review the CDMA2000 section and provide any updates for the next WP8F meeting in January.

- Yoshinori Ishikawa (Hitachi) has consented to be the new ITU AdHoc Vice-Chair and will be convening the ITU AdHoc meeting in November.

ACTION: WG3 was assigned to provide material for the handbook. Contributions required by the November 3GPP2 meeting for the December 1st deadline to the ITU Rapporteur.

ACTION: ITU-R Recommendation M.1580-1 and M.1581-1 Emission Characteristics (C00-20071008-135) was remanded to WG3 and WG4 for review and comment with comments to be coordinated by the ITU AdHoc as an output of the January 2008 meeting.

DECISION: The appointment of Yoshinori Ishikawa (Hitachi) as the new ITU AdHoc Vice-Chair was confirmed.

- WWRF ADHOC REPORT: The WWRF AdHoc report was presented verbally by the WWRF AdHoc Chair, Kim Chang (Huawei), as FYI.

In response to directions from the TSG-C Chair at the interim Plenary, WWRF AdHoc was initiated with the charter to review and update, as needed, the previously approved 3GPP2 presentations in preparation for the WWRF (Wireless World Research Forum) during the period of 5-7 November 2007 in Chennai, India.

The draft of the "3GPP2 Efforts Towards IMT-Advanced featuring UMB™ (Ultra Mobile Broadband) System Release 1" presentation (C00-20071008-117R1) was presented by the AdHoc Chair. **DECISION: The "3GPP2 Efforts Towards IMT-Advanced featuring UMB™ (Ultra Mobile Broadband) System Release 1" presentation was approved without objection to be forwarded to all TSGs for their review and comment by the TSG Chairs on or before Wednesday 17 October 2007. At that time, the presentation must be released for electronic approval by the 3GPP2 SC.**

14.   LIAISON REPORTS:

- OP: No contributions or discussions.

- SC: No contributions or discussions.

- 3GPP2 SECRETARIAT: E-mail correspondence dated 11 October 2007 regarding Review of TSG Terms of Reference (C00-20071008-118) was presented from the 3GPP2 Secretariat as FYI for TSG-C since the TSG-C Terms of Reference review is already in process.

- TSG-A: No contributions or discussions.

- TSG-S: The following contributions were discussed:

    - The TSG-S Liaison Report for August 2007 (C00-20071008-119) was presented from the TSG-S Liaison as FYI for TSG-C.

1 • Correspondence to all TSGs announcing TSG review of S.P0106-A v0.1
2   PSVT Stage 1 (C00-20071008-120) was presented from TSG-S. **ACTION:**
3   **This contribution was remanded to all WGs for review and comment**
4   **with comments to be coordinated by WG1.**

5 • Correspondence to all TSGs regarding 3GPP2 Femto Cell Workshop (C00-
6   20071008-121) was presented from TSG-S as FYI for TSG-C.

7 • Correspondence to all TSGs announcing TSG review of S.P0130-0 v0.2
8   UMB/(E)UTRA Inter-technology Interworking (C00-20071008-122) was
9   presented from TSG-S. **ACTION: This contribution was remanded to all**
10   **WGs for review and comment with comments to be coordinated by WG1.**

11 • Correspondence to all TSGs regarding 3GPP2-00190: Supplementary
12   Services for VoIP (C00-20071008-123) was presented from TSG-S.
13   **ACTION: This contribution was remanded to all WGs for review and**
14   **comment with comments to be coordinated by WG1.**

15 • Correspondence to all TSGs regarding 3GPP2-00191: Security Framework
16   for UMB/CAN Networks (C00-20071008-124) was presented from TSG-S.
17   **ACTION: This contribution was remanded to all WGs for review and**
18   **comment with comments to be coordinated by WG1.**

19 • Correspondence to all TSGs regarding 3GPP2-00192: Tunneling of High
20   Rate Packet Data and 1x packets over UMB (C00-20071008-125) was
21   presented from TSG-S. **ACTION: This contribution was remanded to all**
22   **WGs for review and comment with comments to be coordinated by WG1.**

23 • Correspondence to all TSGs regarding 3GPP2-00194: IMS Centralized
24   Service (ICS) (C00-20071008-126) was presented from TSG-S. **ACTION:**
25   **This contribution was remanded to all WGs for review and comment**
26   **with comments to be coordinated by WG1.**

27 • Correspondence to TSG-X regarding Common IMS (C00-20071008-127)
28   was presented from TSG-S. **ACTION: This contribution was remanded**
29   **to WG1 and WG2 for review and comment with comments to be**
30   **coordinated by WG2.**

31 • Correspondence all TSGs regarding schedule of review sessions for
32   SC.R2005-003: UMB-1 System Release Guide (C00-20071008-128) was
33   presented from TSG-S. **ACTION: This contribution was remanded to**
34   **WG1 for review and action as appropriate and to all other WGs as FYI.**

35 • TSG-X: No contributions or discussions.

36 • TIA: No contributions or discussions.

37 • ITU: No contributions or discussions.

38 • CDG: No contributions or discussions.

39 • 3GPP: No contributions or discussions.

1　　• 　　OTHER: No contributions or discussions.

2　15.　OLD BUSINESS (continued): A proposed WI update for IOTA-DM MOID (C00-
3　　20071008-114) was presented from TSG-S. **ACTION: This contribution was remanded**
4　　**to WG1 for review and action as appropriate.**

5　16.　NEW BUSINESS (continued): No contributions or discussions.

6　17.　FUTURE MEETING SCHEDULE:

5-9 November 2007	Hotel New Otani Osaka in Osaka, Japan
3-7 December 2007	Grand Hyatt Kauai in Kauai, HI, USA
14-18 January 2008	Hollywood, CA, USA

7

8　18.　OPEN DISCUSSION AND OTHER BUSINESS: No contributions or discussions.

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

11　070723-03 The revised TSG-C Terms of Reference (C00-20070723-115A) are being held
12　　open at the Plenary level until the next SC pending disposition of on-going OP
13　　discussions regarding 3GPP2 scope. This contribution was remanded to WG1 for
14　　review and action as appropriate.

15　070723-04　ITU AdHoc must develop and provide NTAH with a list of documents
16　　together with the submission dates for IMT-Advanced.

17　070827-01　Correspondence to all TSGs dated 27 July 2007 regarding Proposed Work
18　　Item Review from TSG-S (C00-20070827-004) was remanded to all WGs for review
19　　and comment with comments to be coordinated by WG1 by the October 2007
20　　meeting.

21　070827-02　An LS to External Organizations regarding Material for the Land Mobile
22　　handbook on the Deployment of Broadband Wireless Access Systems from ITU-R
23　　WP8A (C00-20070827-018) was remanded to all WGs for review and comment with
24　　comments to be coordinated by the ITU AdHoc by the November 2007 meeting in
25　　Osaka for reply by 1 December 2007.

26　070827-03　NGMN Alliance Performance Evaluation Methodology from the NGMN
27　　TWG-SC (C00-20070827-039) was remanded to WG3 and NTAH for review and
28　　comment with comments to be coordinated by NTAH by the October 2007 meeting
29　　and to all other WGs as FYI.

30　071008-001　ITU-R WP8A LS to External Organizations regarding MATERIAL FOR
31　　THE LAND MOBILE HANDBOOK ON THE DEPLOYMENT OF BROADBAND
32　　WIRELESS ACCESS SYSTEMS (C00-20071008-025) from TIA TR45.5 was
33　　remanded to all WGs and the ITU AdHoc for review and comment with comments
34　　to be coordinated by the ITU AdHoc. WG3 was assigned to provide material for the
35　　handbook. Contributions required by the November 3GPP2 meeting for the
36　　December 1st deadline to the ITU Rapporteur.

1   071008-002   The Chair stressed the urgency of the timely completion of both the HRPD
2   Rev. B MPS & UMB MPS documents and he issued a call for contributions and
3   manpower support both efforts in WG4 for the completion of these documents
4   ASAP.

5   071008-003   The Chair requested that the WG4 leadership provide an assessment of
6   progress and timing regarding completion of both the HRPD Rev. B MPS & UMB
7   MPS documents.

8   071008-004   ITU-R Recommendation M.1580-1 and M.1581-1 Emission Characteristics
9   (C00-20071008-135) was remanded to WG3 and WG4 for review and comment with
10   comments to be coordinated by the ITU AdHoc as an output of the January 2008
11   meeting.

12 20.   ADJOURNMENT: The Plenary was adjourned on 12 October 2007 at 10:42 AM local time.

NUMBER	SUBJECT	SOURCE	ACTION
OPENING PLENARY – C00-20071008-			
000	DOCUMENT REGISTER	SECRETARY	FYI
001	AGENDA	CHAIR	APPROVAL
002	TSG-C Meeting Summary - August 2007 – Montreal	SECRETARY	APPROVAL
003	TSG-S Document Status Table – August 2007	TSG-S	ALL WGs
004	Correspondence to TSG-C and TSG-X dated 31 August 2007 regarding UMB IOS issues for TSG-C and TSG-X	TSG-A	WG2
005	Correspondence to TSG-S dated 31 August 2007 regarding Review Items	TSG-X	WG1
006	Correspondence to TSG-S dated 31 August 2007 regarding 2G R-UIM IMS Security	TSG-X	WG1, WG2
007	Correspondence to the 3GPP2 SC Chair and all TSGs dated 31 August 2007 regarding Common IMS	TSG-X	ALL WGs
008	E-mail correspondences regarding the SC level review and approval of C.R0014-C v1.0 - Software Distribution for Enhanced Variable Rate Codec (EVRC), Speech Service Options 3, 68, and 70, Specification	3GPP2 SECRETARIAT	FYI
009	E-mail correspondences regarding the SC level review and approval of C.R1010-0 v1.0 - Software Distribution for H.263 Video Codec for 3GPP2 Packet Switched Multimedia Services	3GPP2 SECRETARIAT	FYI
010	E-mail correspondences regarding the SC level review and approval of C.S0033-A v2.0 - Recommended Minimum Performance Standards for cdma2000 High Rate Packet Data Access Terminal	3GPP2 SECRETARIAT	FYI
011	E-mail correspondences regarding the SC level review and approval of C.S0083-0 v1.0 - Video Codec for 3GPP2 Packet Switched Multimedia Services - H.263	3GPP2 SECRETARIAT	FYI

NUMBER	SUBJECT	SOURCE	ACTION
012	E-mail correspondences regarding the SC level review and approval of C.S0084-0 v2.0 – Ultra Mobile Broadband (UMB) Air Interface Specification – 10 Parts .zip file (Including Physical and Upper Layers)	3GPP2 SECRETARIAT	FYI
013	E-mail correspondences dated 6 September 2007 regarding Re-Publication of TSG-C Specifications (3 Documents)	3GPP2 SECRETARIAT	FYI
014	C.S0084-0 v2.0 Ultra Mobile Broadband (UMB) Air Interface Specification final publication text with some cover labels modified from C.P0084-xxx-0 to C.S0084-xxx-0	3GPP2 SECRETARIAT	FYI
015	3GPP2/CDG press release dated 24 September 2007 regarding ULTRA MOBILE BROADBAND (UMB) SPECIFICATION IS PUBLISHED	3GPP2 SECRETARIAT	FYI
016	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
017	3GPP2 Workplan – October 2007	3GPP2 SECRETARIAT	ALL WGs
018	TIA Legal comment resolution for TIA-718-B EVRC-B MPS	WG1	APPROVED
019	C.P0018-C v0.3 Minimum Performance Specification for the Enhanced Variable Rate Codec, Speech Service Options 3, 68, and 70 for Wideband Spread Spectrum Digital Systems Proposed Baseline Text	WG1	APPROVED
020	C.P0018-C v0.2 Software Distribution for Software Distribution for Enhanced Variable Rate Codec (EVRC), Speech Service Options 3, 68, and 70, Minimum Performance Specification (MPS) (to be published as C.R0018-C v1.0) Proposed Baseline Text	WG1	APPROVED
021	Correspondence dated 1 October 2007 regarding IETF Internet Draft References in 3GPP2 Published Documents	CDG	FYI

NUMBER	SUBJECT	SOURCE	ACTION
022	Correspondence dated 29 September 2007 regarding NTAH Next Generation System Requirement correspondence dated 8/31/07	CDG	NTAH
023	LS dated 20 September 2007 on Codecs and Common IMS	3GPP SA	WG1
024	Work Item Proposal for a new Air-to-Ground CDMA Band Class	AIRCELL, QUALCOMM, AND ZTE	WG1, WG3
025	ITU-R WP8A LS to External Organizations regarding MATERIAL FOR THE LAND MOBILE HANDBOOK ON THE DEPLOYMENT OF BROADBAND WIRELESS ACCESS SYSTEMS	TR45.5	ITU ADHOC, ALL WGs
026	Proposed Revisions to Annex 1 of the Preliminary Draft New Recommendation ITU-R M.[LMS.PPDR. VHF/UHF]	TR45.5	WG3, ITU ADHOC
027	ITU-R WP8F Liaison statement to external organisations on minimum performance requirements and evaluation guidelines for IMT-Advanced	TR45.5	WG3, NTAH
028	ITU-R WP8F Liaison statement to relevant external Organizations on the schedule for updating Recommendation ITU-R M.1457 to Revision 8	TR45.5	ALL WGs, NTHA, ITU ADHOC
029	TIA Legal comments on TIA-924 (C.S0055-0 v1.0) Packet Switched Video Telephony Services (PSVT/MCS)	TR45.5	WG1
030	Notice of document number change for TIA-1133 (C.S0083-0) Software distribution for H.263 Video Codec for 3GPP2 Packet Switched Multimedia Services to TIA-1131	TR45.5	WG1
031	TIA Legal comments on TIA-1054-A (C.S0063-A) High Rate Packet Data Supplemental Services	TR45.5	WG2, WG3
032	TIA Legal comments on TIA856-B (C.S0024-B) High Rate Packet Data Air Interface Specification	TR45.5	WG2

NUMBER	SUBJECT	SOURCE	ACTION
033	Integrating Femto-cell into the cdma2000 1xRTT and EV-DO and the UMB Environments	VIA TELECOM AND IPCOMM	WG1, WG2, WG3
INTERIM PLENARY – C00-20071008-			
050	C.P0057-C Band Class specification proposed baseline text	WG3	APPROVAL
CLOSING PLENARY – C00-20071008-			
101	WG1 Report	WG1	FYI, A - APPROVED
102	WG2 Report	WG2	FYI
103	WG3 Report	WG3	FYI
104	WG4 Report	WG4	FYI
105	NTAH Report	NTAH	FYI
106	C.S0024-B v1.0 cdma2000 High Rate Data Air Interface proposed updated publication text	WG2	APPROVED
107	VOID		
108	C.S0024-B v2.0 cdma2000 High Rate Data Air Interface Specification proposed updated publication text	WG2	APPROVED
109	TIA-856-B cdma2000High Rate Data Air Interface Specification proposed updated publication text	WG2	APPROVED
110	TIA-856-B-1 cdma2000 High Rate Data Air Interface Specification proposed updated publication text	WG2	APPROVED
111	Proposed correspondence to TSG-X regarding CAN QoS	WG2	APPROVED
112	Proposed correspondence to TSG-A regarding PMK Parameter Change	WG2	APPROVED

NUMBER	SUBJECT	SOURCE	ACTION
113	C.S0005-D v2.0 Upper Layer Signaling Specification for cdma2000 proposed updated publication test	WG2	APPROVED
114	Proposed WI update for IOTA-DM MOID	SPRINT-NEXTEL, NOKIA, MOTOROLA, AND BELL CANADA	WG1
115	C.P0057-C Band Class specification proposed V&V text	WG3	APPROVED
116	Proposed correspondence to NGNM regarding NGMN evaluation methodology	WG3	APPROVED
117	WWRF presentation	WWRF ADHOC	APPROVED R1
118	E-mail correspondence dated 11 October 2007 regarding Review of TSG Terms of Reference	3GPP2 SECRETARIAT	FYI
119	TSG-S Liaison Report – October 2007	TSG-S LIAISON	FYI
120	Correspondence to all TSGs announcing TSG review of S.P0106-A v0.1 PSVT Stage 1	TSG-S	ALL WGs
121	Correspondence to all TSGs regarding 3GPP2 Femto Cell Workshop	TSG-S	FYI
122	Correspondence to all TSGs announcing TSG review of S.P0130-0 v0.2 UMB/(E)UTRA Inter-technology Interworking	TSG-S	ALL WGs
123	Correspondence to all TSGs regarding 3GPP2-00190: Supplementary Services for VoIP	TSG-S	ALL WGs
124	Correspondence to all TSGs regarding 3GPP2-00191: Security Framework for UMB/CAN Networks	TSG-S	ALL WGs
125	Correspondence to all TSGs regarding 3GPP2-00192: Tunneling of High Rate Packet Data and 1x packets over UMB	TSG-S	ALL WGs
126	Correspondence to all TSGs regarding 3GPP2-00194: IMS Centralized Service (ICS)	TSG-S	ALL WGs
127	Correspondence to TSG-X regarding Common IMS	TSG-S	WG1, WG2

NUMBER	SUBJECT	SOURCE	ACTION
128	Correspondence all TSGs regarding schedule of review sessions for SC.R2005-003: UMB-1 System Release Guide	TSG-S	ALL WGs
129	VOID		
130	Proposed correspondence to SC 29/WG 11 regarding Joint Coding of Speech and Audio	WG1	APPROVED
131	C.P0018-C v0.45 Minimum Performance Specification for the Enhanced Variable Rate Codec, Speech Service Options 3, 68, and 70 for Wideband Spread Spectrum Digital Systems proposed V&V text	WG1	APPROVED
132	TIA format comment resolution for TIA-718-B EVRC-B	WG1	APPROVED
133	Legal comment resolution for TIA-915-A-1 [E] CCAT	WG1	APPROVED
134	ITU AdHoc Report	ITU ADHOC	FYI
135	ITU-R Recommendation M.1580-1 and M.1581-1 Emission Characteristics	ITU ADHOC	WG3

1

3GPP2 QUORUM ROLL CALL
TSG-C (cdma2000 Air Interface)
Long Beach, CA, USA
12-Oct-07

INDIVIDUAL MEMBER COMPANY	Attendance OPENING 10/8/2007	Attendance INTERIM 10/8/2007	Attendance CLOSING 10/12/2007	Consec Mtgs Missed Including this Mtg	Voting Status This Meeting	Quorum Status This Meeting	Voting Status Next Meeting*	Quorum Status Next Meeting*
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
CHINA UNICOM				1	1	1	1	1
DOCOMO US LABORATORIES	1			0	1	0	1	1
ERICSSON	1			0	1	1	1	1
GEMALTO	1			0	1	1	1	1
HITACHI	1			0	1	1	1	1
HUAWEI	1			0	1	1	1	1
KDDI	1			0	1	1	1	1
KYOCERA	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
NOKIA-SIEMENS				2	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
SIERRA WIRELESS		1		0	1	1	1	1
SK TELECOM			1	0	1	1	1	1
SPIRENT COMMUNICATIONS	1			0	1	1	1	1
SPRINT/NEXTEL	1			0	1	1	1	1
TELCOWARE				2	1	1	1	1
TOSHIBA				1	1	1	1	1
VERIZON WIRELESS	1			0	1	1	1	1
VIA TELECOM				2	1	1	1	1
ZTE	1			0	1	1	1	1
TOTALS	**24**	**1**	**1**		**34**	**33**	**34**	**34**
QUORUM CALCULATION	**73%**	**3%**	**3%**					
ADDITIONS								
MARKETING INFORMATION TECHNOLOGY	1							
OBSERVERS AND GUESTS								
IPCOMM	1							
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
P = Letter of Proxy in effect
* Next Meeting status based on the assumption that the company will be present at the next meeting.

1

2