

1 **Title:**

2 **APPROVED SUMMARY OF TSG-C MEETING**
3 **for 27-31 October 2008 in Seoul, Korea**

4 **Source:**

5
6 Clifton J. Barber
7 TSG-C SECRETARY
8
9 Representing KDDI
10 CJ Barber Consulting Services
11 3028 Saint Andrews Court
12 Jonesboro, GA 30236
13 (770) 210-2988
14 (770) 456-4099 fax
15 cbarber@cjbarberconsulting.com
16



17
18 **Abstract:**

19 This document is a summary of the 3GPP2 TSG-C meetings that were held during the period of
20 27-31 October 2008 in Seoul, Korea.

21
22 **Recommendations:**

23 For review and approval.
24

25 **Notice:**

26 © 2008 3GPP2

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

34 This document has been prepared by KDDI to assist the development of specifications by 3GPP2. It is proposed to the
35 Committee as a basis for discussion and is not to be construed as a binding proposal on KDDI. KDDI specifically reserves
36 the right to amend or modify the material contained herein and to any intellectual property of KDDI other than provided in
37 the copyright statement above.
38

1 During the period of 27-31 October 2008, 3GPP2 TSG-C meetings were held at the Sheraton Grande
 2 Walkerhill Hotel in Seoul, Korea. This document is intended to summarize those proceedings.

3
 4 **OPENING PLENARY**

5 1. **CALL TO ORDER AND OPENING REMARKS:** The meeting was called to order on
 6 Monday 27 October 2008 at 9:15 AM local time by TSG-C Vice-Chair, Yoshinori Ishikawa
 7 (Hitachi).

8 The Chair welcomed everyone to Seoul. The Chair requested all participants to sign in on the
 9 3GPP2 LAN.

10 2. **ATTENDANCE REGISTRATION AND ROLL CALL:** A roll call of companies indicated
 11 that 20 companies included on the list of 27 active quorum members were present (74%
 12 participation). Thus, meeting quorum was achieved.

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

14 3. **INTRODUCTION AND NUMBERING OF CONTRIBUTIONS:** Contributions were loaded
 15 onto the 3GPP2 LAN server and listed in the document register (C00-20081027- 000).

16 4. **AGENDA APPROVAL:** The proposed agenda (C00-20081027-001) was presented.

17 The Chair summarized the following activities for the week:

- 18 • Monday 5:00-7:00 PM TSG-S Vision AdHoc
- 19 • Tuesday 5:00-7:00 PM TSG-S Vision AdHoc
- 20 • Wednesday 7:00 PM SK Telecom sponsored all TSG Team Building Event –
 21 Grand Hall B
- 22 • SK Telecom sponsored breakfast and lunch calendar

Date	Breakfast	Lunch
October 27 (Mon) ~ 29(Wed)	Art hall (4 th Floor)	Art hall (4 th Floor)
October 30 (Thu)	Grand hall 1 (B1)	The View restaurant
October 31(Fri)	Cosmos hall (3 rd Floor)	

23 **DECISION: The agenda was approved without objection as submitted (C00-20081027-001).**

24 The Chair thanked SK Telecom for their sponsorship of activities this week.

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

27 6. **APPROVAL OF PREVIOUS MEETING SUMMARY:**

- 28 • The summary of the TSG-C meeting for September 2008 that was held in Vancouver, BC,
 29 Canada (C00-20081027-002) was presented. **DECISION: This meeting summary was
 30 approved without objection as submitted (C00-20081027-002).**

- 1 • TSG-C Meeting Summary for the 24 September 2008 Interim Plenary (C00-20081027-
2 003) was presented. **DECISION: This meeting summary was approved without**
3 **objection as submitted (C00-20081027-003).**
- 4 • TSG-C Meeting Summary for the 9 October 2008 Interim Plenary (C00-20081027-004)
5 was presented. **DECISION: This meeting summary was approved without objection**
6 **as submitted (C00-20081027-004).**
- 7 7. **REVIEW OF OUTSTANDING ACTIONS FROM PREVIOUS MEETING:** The action
8 items from the September 2008 face-to-face meeting and interim Plenary conference call were
9 noted as follows:
- 10 080825-001 The TIA TR45.5 Chair took an action to determine if the new TIA Document
11 Guidelines process is also applicable to 3GPP2 point releases/TIA addenda.
- 12 **DECISION: This action was still OPEN.**
- 13 080825-002 A contribution regarding 1x Enhancement Document Strategy (C00-20080825-
14 023R2) from KDDI on behalf of additional contributors Airvana, Alcatel-Lucent, Huawei,
15 LG Telecom, Kyocera, Motorola, NEC, Nortel, Qualcomm, Samsung, SK Telecom, US
16 Cellular, and ZTE was remanded to all WGs for review and comment with comments to
17 be coordinated by WG2 as an output of the September 2008 discussions.
- 18 **DECISION: This action was held OPEN until closing Plenary.**
- 19 080825-003 Approval of C.P0084-001-A UMB PHY Air Interface Specification (C00-
20 20080825-129) as baseline text was deferred to the interim Plenary conference call on
21 24 September 2008. This contribution was held OPEN at the Plenary level.
- 22 **DECISION: This action was CLOSED without objection.**
- 23 080825-004 Volunteers to present the 3GPP2 input to the ITU Workshop on IMT-Advanced
24 are requested to contact the TSG-C Chair on or before COB on Friday 5 September 2008.
- 25 **DECISION: This action was CLOSED without objection.**
- 26 080825-005 WG3 to update WP5D parameters for radio interfaces appropriate for the new
27 IMT frequency ranges identified at WRC-07 as it was found that Report M.2039 for
28 CDMA MC contained incorrect values and agreed to amend this for a future WP5D
29 meeting.
- 30 **DECISION: This action was held OPEN until the December 2008 meeting.**
- 31 8. **LIAISON REPORTS:**
- 32 • OP: No contributions or discussion.
- 33 • SC: No contributions or discussion.
- 34 • 3GPP2 SECRETARIAT: The following contributions were discussed:
- 35 • 3GPP2 Workplan files for September 2008 (C00-20081027-013) was presented
36 from the 3GPP2 PMT Coordinator. **ACTION: This contribution was**
37 **remanded to all WGs and AdHocs for review and comment with comments**
38 **to be coordinated by WG1.**

- 1 • E-mail correspondence dated 10 October 2008 regarding SC level review for
2 C.R1012-0 v1.0 Ultra Mobile Broadband (UMB) Performance Analysis (C00-
3 20081027-014) was presented from the 3GPP2 Secretariat as FYI for TSG-C.
- 4 • V&V comments regarding C.P0084-0 Ultra Mobile Broadband (UMB) Air
5 Interface Specification (Parts -002 and -008) (C00-20081027-022) was presented
6 from the 3GPP2 Secretariat. **ACTION: This contribution was remanded to**
7 **WG2 for review and action as appropriate.**
- 8 • V&V comments regarding C.P0093-0 v0.2 Highly Detectable Pilot Specification
9 for the cdma2000 High Rate Packet Data Air Interface (C00-20081027-023) was
10 presented from the 3GPP2 Secretariat. **ACTION: This contribution was**
11 **remanded to WG3 for review and action as appropriate.**
- 12 • 3GPP2 Workplan files for October 2008 (C00-20081027-027) was presented
13 from the 3GPP2 PMT Coordinator. **ACTION: This contribution was**
14 **remanded to all WGs and AdHocs for review and comment with comments**
15 **to be coordinated by WG1.**
- 16 • V&V comments regarding C.P0094-0 v0.8 Signaling Conformance Test
17 Specification for Interworking of cdma2000 1x and High Rate Packet Data
18 Systems (C00-20081027-028) was presented from the 3GPP2 Secretariat.
19 **ACTION: This contribution was remanded to WG4 for review and action as**
20 **appropriate.**
- 21 • TSG-A: Correspondence to the 3GPP2 WPD Convener dated 29 September 2008
22 regarding TSG-A Concerns Related to 3GPP2 Drafting Rules (C00-20081027-009) was
23 presented from TSG-A as FYI for TSG-C.
- 24 • TSG-S: The following contributions were discussed:
- 25 • TSG-S Document Status Table for September 2008 (C00-20081027-005) was
26 presented from TSG-S. **ACTION: This contribution was remanded to all**
27 **WGs and AdHocs as FYI.**
- 28 • TSG-S Liaison Report for September 2008 (C00-20081027-006) was presented
29 from the TSG-S Liaison as FYI for TSG-C.
- 30 • Correspondence to all TSGs dated 2 October 2008 regarding TSG comment
31 resolution for S.P0129-A v0.1 HRPD/1XRTT and 3GPP E-UTRAN (LTE)
32 Interworking and Inter-Technology Handoff (C00-20081027-007) was presented
33 from TSG-S. **ACTION: This contribution was remanded to WG2 for review**
34 **and action as appropriate.**
- 35 • Correspondence to all TSGs dated 2 October 2008 regarding Proposed Work Item
36 Review (C00-20081027-008) was presented from TSG-S. **ACTION: This**
37 **contribution was remanded to all WGs and AdHocs for review and comment**
38 **with comments to be coordinated by WG1.**

- 1 • TSG-X: The following contributions were discussed:
- 2 • Correspondence to the 3GPP2 SC Chair dated 29 September 2008 regarding 1x
3 Femto Emergency Services (C00-20081027-010) was presented from TSG-X as
4 FYI for TSG-C.
- 5 • Correspondence to TSG-S dated 3 October 2008 regarding Review Items (C00-
6 20081027-011) was presented from TSG-X. **ACTION: This contribution was**
7 **remanded to WG1 for review and action as appropriate.**
- 8 • Correspondence to all TSGs dated 3 October 2008 regarding Terminology (C00-
9 20081027-012) was presented from TSG-X. **ACTION: This contribution was**
10 **remanded to all WGs and AdHocs as FYI.**
- 11 • TR45: The following contributions were discussed:
- 12 • TIA ballot comments regarding C.P0094-0 (TIA-1157) Signaling Conformance
13 Test Specification for Inter-working of cdma2000 1x and High Rate Packet Data
14 Systems (C00-20081027-015) were presented from TIA TR45.5. **ACTION:**
15 **This contribution was remanded to WG4 for review and action as**
16 **appropriate.**
- 17 • TIA ballot comments regarding C.P0093-0 (TIA-1150) Highly Detectable Pilot
18 Specification for the cdma2000 High Rate Packet Data Air Interface (C00-
19 20081027-016) were presented from TIA TR45.5. **ACTION: This contribution**
20 **was remanded to WG2 and WG3 for review and action as appropriate with**
21 **comments to be coordinated by WG3.**
- 22 • TIA ballot comments regarding C.P0084-002 (TIA-1121.002-1) MAC Layer for
23 Ultra Mobile Broadband (UMB) Air Interface Specification (C00-20081027-017)
24 were presented from TIA TR45.5. **ACTION: This contribution was remanded**
25 **to WG2 for review and action as appropriate.**
- 26 • TIA ballot comments regarding C.P0084-008 (TIA-1121.008-1) Route Control
27 Plane for Ultra Mobile Broadband (UMB) Air Interface Specification (C00-
28 20081027-018) were presented from TIA TR45.5. **ACTION: This contribution**
29 **was remanded to WG2 for review and action as appropriate.**
- 30 • ITU: A contribution regarding ITU-R WP5D Meeting Results (C00-20081027-019) was
31 presented from the ITU AdHoc Chair and presented by the ITU AdHoc Vice-Chair,
32 Yoshinori Ishikawa (Hitachi).
- 33 This contribution recommended the following TSG-C actions for completion by the
34 closing Plenary of the December 2008:
- 35 • M.1457 Update
- 36 • Final material to WP5D for update of M.1457-9 – Action: ITU Ad-Hoc
- 37 • Reminder memo to OPs on M.1457-9
- 38 • Update Roadmap
- 39 • M.1580/1581
- 40 • Include ACLR information for M.1580 and M.1581 – Action: WG3

- 1 • Include user definition of ACLR as well as assumptions used in deriving
- 2 these values
- 3 • Include Test Tolerances for any parameters provided in M.1580/1
- 4 • Radio Interface Parameters
- 5 • Confirm that Radio Interface Parameters compiled by WP5D are correct –
- 6 Action: WG3

7 **ACTION: This contribution was remanded to WG3, WG4, NTAH, and the ITU**
8 **AdHoc for review and action as appropriate.**

- 9 • CDG: Correspondence dated 21 October 2008 regarding CDG initiative to increase
- 10 availability of R-UIM based CDMA devices (C00-20081027-021) was presented from
- 11 CDG. **ACTION: This contribution was remanded to WG1 for review and action as**
12 **appropriate.**
- 13 • OMA: No contributions or discussion.
- 14 • 3GPP/ETSI: An LS Response to TSG-S dated 17 October 2008 regarding 3GPP2
- 15 Enhanced Network Policy Requirements (C00-20081027-020) was presented from 3GPP
- 16 SA1 as FYI for TSG-C.
- 17 • Other: No contributions or discussion.

18 9. WORKING GROUP REPORTS:

- 19 • WG1 REPORT: A verbal report of WG1 activities was presented by WG1 Chair, Doug
- 20 Dunn (Kyocera), as FYI.
- 21 The SWG1.4 Chair, Praveen Venkataramu (Gemalto), has advised that he may not be
- 22 able to continue to work in the SWG1.4 Chair capacity. He will provide official status at
- 23 the closing Plenary.
- 24 No actions were requested of the Plenary at this time.
- 25 • WG2 REPORT: A verbal report of WG2 activities was presented by WG2 Chair, Orlett
- 26 Pearson (Alcatel-Lucent), as FYI.

27 **DECISION: C.P0087-0 E-UTRAN - HRPD and CDMA2000 1x Connectivity and**
28 **Interworking Air Interface Specification (C00-20081027-024) was approved without**
29 **objection for V&V review by the 3GPP2 OPs and TSG-C participants with**
30 **comments due on or before 1 December 2008. This contribution was also liaised to**
31 **TIA TR45.5.**

32 **DECISION: C.P0084-000-A Overview TDD Overview for Ultra Mobile Broadband**
33 **(UMB) Air Interface Specification (C00-20081027-025) was approved without**
34 **objection for V&V review by the 3GPP2 OPs and TSG-C participants with**
35 **comments due on or before 1 December 2008. This contribution was also liaised to**
36 **TIA TR45.5.**

DECISION: C.P0084-012 Medium Access Control Layer Protocols For Ultra Mobile Broadband TDD (UMB-TDD) Air Interface Specification (C00-20081027-026) was approved without objection for V&V review by the 3GPP2 OPs and TSG-C participants with comments due on or before 1 December 2008. This contribution was also liaised to TIA TR45.5.

- **WG3 REPORT:** A verbal report of the WG3 activities was presented by WG3 Vice-Chair, Anthony Soong (Huawei), as FYI.

WG3 has requested an interim Plenary for Wednesday 8:00 AM to approve C.P0084-011-0 UMB TDD PHY specification for V&V approval so that comments can be received by the December 2008 meeting.

No actions were requested of the Plenary at this time.

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

No actions were requested of the Plenary at this time.

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

No actions were requested of the Plenary at this time.

- **ITU REPORT:** A verbal report of ITU AdHoc activities was presented by ITU AdHoc Vice-Chair, Yoshinori Ishikawa (Hitachi), as FYI. The AdHoc will not meet this week.

No actions were requested of the Plenary at this time.

DECISION: The Chair announced that there would be a brief interim Plenary on Wednesday 29 October 2008 at 8:30 AM to approve the following documents for V&V release to ensure that comments can be received by the December 2008 meeting in Maui:

- **C.P1001-G Parameter Administration Guidelines**
- **C.P0084-011-0 UMB TDD PHY specification**

10. **OLD BUSINESS:** A WI proposal for 1x Circuit Switch Fall Back in cdma2000 system (C00-20081027-029) was presented from KDDI, Qualcomm, Motorola, Hitachi, and Nortel Networks.

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

11. **ITU PROCESS/APPROVAL:** No contributions or discussions.

12. **NEW BUSINESS:** A contribution regarding DO-Advanced Introduction (C00-20081027-030) was presented from Qualcomm. **ACTION: This contribution was remanded to WG2 and WG3 as FYI.**

This session was recessed on 27 October 2008 at 11:42 AM local time.

1 **INTERIM PLENARY:**

2 The meeting was reconvened on Wednesday 29 October 2008 at 8:44 AM local time by TSG-C Chair,
3 Dennis Gentzler (Alltel).

4 The Chair thanked Vice-Chair, Yoshinori Ishikawa (Hitachi), for chairing the opening Plenary session.

5 Quorum was established at the opening Plenary and not challenged at this time. Two (2) additional
6 3GPP2 individual member companies were noted in attendance.

7 9. **WORKING GROUP REPORTS** (continued):

8 • **WG3 REPORT:**

9 **DECISION: C.P0084-011-0 UMB PHY TDD Air Interface (C00-20081027-050) was**
10 **approved without objection for V&V review by the 3GPP2 OPs and TSG-C**
11 **participants with comments due on or before 3 December 2008. This contribution**
12 **was also liaised to TIA TR45.5.**

13 The Chair reminded the participants of the SK Telecom sponsored all TSG Team Building Event to be
14 held in Grand Hall B at 7:00 PM this evening.

15 This session was recessed on 29 October 2008 at 8:49 AM local time.

16

17

18 **CLOSING PLENARY:**

19 The meeting was reconvened on Friday 31 October 2008 at 8:46 AM local time by TSG-C Chair,
20 Dennis Gentzler (Alltel).

21 The Chair noted the following:

- 22 • The Chair reminded the TSG that elections for TSG-C Leadership for the next term will be held
23 in Maui. Nominees must have a letter of support from their company.
- 24 • The Chair thanked SK Telecom for their sponsorship of meals and the great reception this week.

25 The TIA TR45.5 Chair reported that the new TIA Document Guidelines process is also applicable to
26 3GPP2 point releases/TIA addenda. As such, ACTION 080825-001 was CLOSED.

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

29 **13. WORKING GROUP REPORTS:**

- 30 • **WG1 REPORT:** The WG1 report (C00-20081027-101) was presented by WG1 Chair,
31 Doug Dunn (Kyocera), as FYI.
- 32 • **Documents Being Proposed for SC Level Review:**
- 33 • C.S0023-C v2.0 Removable User Identity Module for Spread Spectrum
34 Systems
- 35 • C.S0016-C v2.0 OTASP for Mobile Stations in Spread Spectrum Systems
- 36 • **Documents Being Released to Resolve TIA Legal comments: NONE**

- 1 • Documents Being Proposed for V&V:
 - 2 • C.P1001-G v0.9 Administration of Parameter Value Assignments for
 - 3 cdma2000 Spread Spectrum Standards
- 4 • Documents Being Proposed for Baseline:
 - 5 • C.P0022-B v0.5 Position Determination Service for cdma2000 Spread
 - 6 Spectrum Systems (to be published as C.S0022-B v1.0)
 - 7 • C.P0022-B v0.2 Position Determination Service for cdma2000 Spread
 - 8 Spectrum Systems Software Distribution (to be published as C.R0022-B
 - 9 v1.0)
- 10 • Also progressed the development of the following:
 - 11 • C.S0016-D Over-the-Air Service Provisioning of Mobile Stations in
 - 12 Spread Spectrum Standards
- 13 • WG1 requests a joint WG meeting to discuss schedules on Monday 1 December
- 14 2008, 3:30 PM to 5:30 PM.
- 15 • The following project numbers were assigned:

3GPP2 #	Title
C.P0022-B	Position Determination Service for cdma2000 Spread Spectrum Systems
C.P0022-B	Position Determination Service for cdma2000 Spread Spectrum Systems Software Distribution
C.P0084-000-A	Overview for Ultra Mobile Broadband (UMB) TDD Air Interface Specification
C.P0084-011-0	Physical Layer Protocols for Ultra Mobile Broadband (UMB) TDD Air Interface Specification
C.P0084-012-0	Medium Access Control Layer Protocols for Ultra Mobile Broadband (UMB) TDD Air Interface Specification

16 **DECISION: C.P0023-C v1.99 Removable User Identity Module for Spread**
 17 **Spectrum Systems (C00-20081027-116) was approved without objection for**
 18 **publication as C.S0023-C v2.0 and liaised to TIA TR45.5.**

19 **DECISION: C.P0016-C v1.99 OTASP for Mobile Stations in Spread Spectrum**
 20 **Systems (C00-20081027-117) was approved without objection for publication as**
 21 **C.S0016-C v2.0 and liaised to TIA TR45.5.**

22 **DECISION: C.P1001-G v0.9 Administration of Parameter Value Assignments for**
 23 **cdma2000 Spread Spectrum Standards (C00-20081027-115) was approved without**
 24 **objection for V&V review by 3GPP2 OPs and TSG-C participants with comments**
 25 **due on or before 4 December 2008.**

26 **DECISION: C.P0022-B v0.5 Position Determination Service for cdma2000 Spread**
 27 **Spectrum Systems (C00-20081027-118) was approved without objection as baseline**
 28 **text and remanded by to WG1 for R&F.**

29 **DECISION: C.P0022-B v0.2 Position Determination Service for cdma2000 Spread**
 30 **Spectrum Systems Software Distribution (C00-20081027-119) was approved without**
 31 **objection as baseline text and remanded by to WG1 for R&F.**

32 **DECISION: Proposed correspondence to TSG-S regarding TSG-C status of WI**
 33 **review (C00-20081027-114) was approved without objection for transmission.**

DECISION: WI proposals identified in C00-20081027-101A were approved without objection. These WIs include the following:

3GPP2 WI #	Title
TSGC-120	Coexistence between 3GPP2 systems and non-3GPP2 systems in the cdma service frequency bands
TSGC-121	Point Release for HRPD Rev. B

- WG2 REPORT: The WG2 report (C00-20081027-102) was presented by the WG2 Chair, Orlett Pearson (Alcatel-Lucent), as FYI.

- Documents Being Proposed for SC Level Review:

- C.S0084-002 v3.0 - MAC Layer for Ultra Mobile Broadband (UMB) Air Interface Specification
- C.S0084-008 v3.0 - Route Control Plane for Ultra Mobile Broadband (UMB) Air Interface Specification

- Documents Requiring Extended V&V Review: NONE

- Documents proposed as baseline text:

- C.P0067-A Generic Key Exchange Protocol for cdma2000 High Rate packet Data Air Interface

- WG2 noted that Doug Knisely (Airvana) has resigned his SWG21 Chair position. His outstanding technical skills and leadership abilities have been instrumental in the development of 1x Signaling, 1x Data, MAC, and HRPD development and has truly helped to make CDMA what it is today.

The TSG-C Chair added his thanks from the TSG to Doug for his years of excellent effort in this position.

Jungsoo Jung (Samsung) has named as the interim SWG2.1 Chair until a replacement can be found.

Those interested in the SWG2.1 Chair position should contact the WG2 Chair.

DECISION: C.P0084-002 [TIA-1121.002-1] MAC Layer for Ultra Mobile Broadband (UMB) Air Interface Specification (C00-20081027-131) was approved without objection for publication as C.S0084-002-0 v3.0 and liaised to TIA.

DECISION: C.P0084-008 [TIA-1121.008-1] Route Control Plane for Ultra Mobile Broadband (UMB) Air Interface Specification (C00-20081027-130) was approved without objection for publication as C.S0084-008-0 v3.0 and liaised to TIA.

DECISION: C.P0067-A [TIA-1081-A] Generic Key Exchange Protocol for cdma2000 High Rate packet Data Air Interface (C00-20081027-129) was approved without objection as baseline text and remanded by to WG2 for R&F.

- WG3 REPORT: The WG3 report (C00-20081027-103) was presented by WG3 Chair, Ed Tiedemann (Qualcomm), as FYI.

- Documents Being Proposed for SC Level Review:

- C.S0093-0 v1.0 Highly Detectable Pilot

- 1 • Documents Being Proposed for V&V Review: NONE
- 2 • Documents Being Proposed as Baseline Text:
- 3 • C.P1002-A Evaluation Methodology
- 4 • WG3 completed V&V comment resolution on C.S0084-011-0 (UMB TDD). This
- 5 was submitted to the interim plenary for approval for V&V.
- 6 • WG3 plans to complete component decisions on 1x Enhancements at the
- 7 December 2008 meeting. Assuming that the document can be prepared and
- 8 sufficiently reviewed, WG3 intends to request baseline at that time.
- 9 • WG3 may request an interim plenary in January (35 days before the February
- 10 2009 meeting) to approve some documents so that they can be returned in time for
- 11 the February meeting.

12 **DECISION: C.P1002-A cdma2000 Evaluation Methodology (C00-20081027-107)**
13 **was approved without objection as baseline text and remanded by to WG3 for R&F.**

14 **DECISION: C.P0093-0 Highly Detectable Pilot Specification for the CDMA2000**
15 **High Rate Packet Data Air Interface (C00-20081027-108) was approved without**
16 **objection for publication as C.S0093-0 v1.0 and liaised to TIA TR45.5.**

- 17 • WG4 REPORT: The WG4 report (C00-20081027-104) was presented by WG4 Co-Chair,
- 18 Dave Whipple (Agilent) as FYI.

- 19 • Documents Being Proposed for SC Level Review:
- 20 • C.S0094-0 v1.0 Signaling Conformance Test Specification for
- 21 Interworking of cdma2000 1x and High Rate Packet Data Systems
- 22 • Documents Being Proposed for V&V Review: NONE
- 23 • Document Proposed as Baseline Text:
- 24 • C.P0088-0 v0.7 Recommended Minimum Performance Standards for
- 25 cdma2000 Ultra Mobile Broadband (UMB) Access Network
- 26 • C.P0089-0 v0.7 Recommended Minimum Performance Standards for
- 27 cdma2000 Ultra Mobile Broadband Access Terminal
- 28 • C.P0090-0 v0.7 Test Application Specification for cdma2000 Ultra
- 29 Mobile Broadband Air Interface
- 30 • WG4 notes that work may be required as input to the ITU AdHoc regarding
- 31 emission spec updates.

32 **DECISION: C.P0088-0 v0.7 Recommended Minimum Performance Standards for**
33 **cdma2000 Ultra Mobile Broadband (UMB) Access Network (C00-20081027-110)**
34 **was approved without objection as baseline text and remanded by to WG4 for R&F.**

35 **DECISION: C.P0089-0 v0.7 Recommended Minimum Performance Standards for**
36 **cdma2000 Ultra Mobile Broadband Access Terminal (C00-20081027-111) was**
37 **approved without objection as baseline text and remanded by to WG4 for R&F.**

1 **DECISION: C.P0090-0 v0.7 Test Application Specification for cdma2000 Ultra**
2 **Mobile Broadband Air Interface (C00-20081027-112) was approved without**
3 **objection as baseline text and remanded by to WG4 for R&F.**

4 **DECISION: C.P0094-0 Signaling Conformance Test Specification for Interworking**
5 **of cdma2000 1x and High Rate Packet Data Systems (C00-20081027-113) was**
6 **approved without objection for publication as C.S0094-0 v1.0 and liaised to TIA**
7 **TR45.5.**

- 8 • NTAH REPORT: The NTAH Report (C00-20081027-105) was presented by the NTAH
9 Vice-Chair, Soonyil Kwon (LGE), as FYI.

- 10 • NTAH discussed the following OP action: ACTION 2008/08-01 “The Secretary
11 is directed to work with the Steering Committee Chair to communicate to TSG-C
12 the current status of OP discussions regarding 3GPP2 registering as an evaluation
13 group for IMT-Advanced. Further, TSG-C is requested to provide a scope and
14 plan for an evaluation group to assist the Organizational Partners.”

15 After some discussion, the group agreed to the following response:

16 “If we are directed by the SC and there is support from companies for 3GPP2 to
17 register as an IMT Advanced evaluation group, NTAH will then form a group to
18 do the evaluation. The group will evaluate the different RIT proposals submitted
19 to the ITU using the ITU evaluation methodology (IMT.EVAL) and progress
20 along the line that we did to evaluate the performance of UMB.”

- 21 • Currently NTAH has the following technologies under discussion: network
22 MIMO, co-operative MIMO, layer modulation, Orthogonal space time multiple
23 access, zero forcing beam forming multi-user MIMO and cell coordinated
24 multiple antenna scheme.

- 25 • NTAH has a call for contributions on topics for the system intended for IMT-
26 Advanced.

27 No actions requested from Plenary at this time.

- 28 • ITU ADHOC REPORT: Although the AdHoc did not meeting, a verbal report on ITU
29 AdHoc activities was presented by the ITU AdHoc Vice-Chair, Yoshinori Ishikawa
30 (Hitachi), as FYI.

31 No actions requested from Plenary at this time.

32 **14. LIAISON REPORTS:**

- 33 • OP: No contributions or discussions.
- 34 • SC: No contributions or discussions.
- 35 • 3GPP2 SECRETARIAT: The following contributions were discussed:
 - 36 • E-mail correspondence dated 27 October 2008 regarding SC level approval for
37 C.R1012-0 v1.0 Ultra Mobile Broadband (UMB) Performance Analysis (C00-
38 20081027-125) was presented from the 3GPP2 Secretariat as FYI for TSG-C.

- 1 • E-mail correspondence dated 28 October 2008 regarding V&V review for
2 C.P0084-000-A v0.9 Overview for Ultra Mobile Broadband (UMB) Air Interface
3 Specification (C00-20081027-126) was presented from the 3GPP2 Secretariat as
4 FYI for TSG-C.
- 5 • E-mail correspondence dated 28 October 2008 regarding V&V review for
6 C.P0084-012-0 v0.9 Medium Access Control Layer Protocols for Ultra Mobile
7 Broadband TDD (UMB-TDD) Air Interface Specification (C00-20081027-127)
8 was presented from the 3GPP2 Secretariat as FYI for TSG-C.
- 9 • E-mail correspondence dated 28 October 2008 regarding V&V review for
10 C.P0087-0 v0.5 E-UTRAN – cdma2000 Connectivity and Interworking Air
11 Interface Specification (C00-20081027-128) was presented from the 3GPP2
12 Secretariat as FYI for TSG-C.
- 13 • TSG-A: No contributions or discussions.
- 14 • TSG-S: The following contributions were discussed:
- 15 • The TSG-S Liaison Report for September 2008 (C00-20081027-120) was
16 presented from the TSG-S Liaison as FYI for TSG-C.
- 17 This LS Report indicated the following regarding the TSG-S 3GPP2 Vision
18 AdHoc activities:
- 19 • SC.P5003-0 v0.4 3GPP2 Vision for 2009 and Beyond was approved for
20 presentation to the 3GPP2 SC as a working draft in conjunction with the
21 TSG-S Report to the SC. That document has been posted the 3GPP2 ftp
22 site at [ftp://ftp.3gpp2.org/TSGS/Working/_2008/2008-10-](ftp://ftp.3gpp2.org/TSGS/Working/_2008/2008-10-Seoul/3GPP2_Vision_AdHoc)
23 [Seoul/3GPP2_Vision_AdHoc](ftp://ftp.3gpp2.org/TSGS/Working/_2008/2008-10-Seoul/3GPP2_Vision_AdHoc).
- 24 • A conference call was scheduled for Monday 10 November 2008 during
25 the 7:00-9:00 PM US central time slot.
- 26 • The next face-to-face meeting is scheduled for Monday 1 December 2008
27 meetings in Maui, HI, USA during the 6:00-8:00 **AM** time slot.
- 28 • Plans are to present SC.P5003-0 for Steering Committee review on 23
29 February 2009. In order to meet that date, TSG review of SC.P5003-0
30 needs to take place during the December 2008 “Super” meeting. TSGs are
31 requested to schedule time to review SC.P5003-0 during the 01-05
32 December 2008 meeting in Maui. An updated draft of SC.P5003-0 v0.5
33 will be available and posted
34 (at [ftp://ftp.3gpp2.org/TSGS/Working/_2008/2008-](ftp://ftp.3gpp2.org/TSGS/Working/_2008/2008-11Maui/3GPP2_Vision_AdHoc/)
35 [1Maui/3GPP2_Vision_AdHoc/](ftp://ftp.3gpp2.org/TSGS/Working/_2008/2008-11Maui/3GPP2_Vision_AdHoc/)) for TSG review immediately following
36 the Monday 01 December 2008 session of the TSG-S 3GPP2 Vision
37 AdHoc.
- 38 **ACTION: WG1 was assigned to take the lead in coordinating TSG-C**
39 **comments on the 3GPP2 Vision document at the Maui meeting.**
- 40 • Correspondence to TSG-X dated 30 October 2008 regarding eHRPD and
41 Enhanced HRPD Terminology (C00-20081027-121) was presented from TSG-S
42 as FYI for TSG-C.

- 1 • Correspondence to all TSGs dated 30 October 2008 regarding Invitation to
2 Release Planning Joint Lunch Session: Tuesday, 2 December 2008, NOON –
3 1PM (C00-20081027-122) was presented from TSG-S. **ACTION: This**
4 **contribution was remanded to WG1 for review and action as appropriate.**
- 5 • Correspondence to TSG-X dated 30 October 2008 in response to correspondence
6 from TSG-X dated 3 October 2008 regarding Review Items (C00-20081027-123)
7 was presented from TSG-S. **ACTION: This contribution was remanded to**
8 **WG1 for review and action as appropriate.**
- 9 • Correspondence to all TSGs dated 30 October 2008 regarding Future AdHoc
10 Meetings (C00-20081027-124) was presented from TSG-S. **ACTION: This**
11 **contribution was remanded to all WGs for review and action as appropriate.**
- 12 • TSG-X: No contributions or discussions.
- 13 • TIA: No contributions or discussions.
- 14 • ITU: No contributions or discussions.
- 15 • CDG: No contributions or discussions.
- 16 • 3GPP: No contributions or discussions.
- 17 • OTHER: No contributions or discussions.

18 **15. OLD BUSINESS (continued):** The following contributions were discussed:

- 19 • A WI proposal for Update of Smart Card Specs to Support CDG OMH (Open Market
20 Handsets) Initiative (C00-20081027-109) was presented from Qualcomm, SGS Wireless,
21 and Spirent. **ACTION: This contribution was remanded to WG1 for review and**
22 **action as appropriate.**
- 23 • A WI proposal for EVRC update (C00-20081027-132) was presented from Sprint, Nortel,
24 and Qualcomm. **ACTION: This contribution was remanded to WG1 for review and**
25 **action as appropriate.**

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

27 **17. FUTURE MEETING SCHEDULE:**

1-5 December 2008	Grand Wailea Hotel in Maui, HI, USA
16-20 February 2009	China
30 March – 3 April 2009	Loews New Orleans Hotel in New Orleans, LA

28 **18. OPEN DISCUSSION AND OTHER BUSINESS: NONE**

- 1 19. **ASSIGNMENTS:** The open action items, other than standard document remands, are noted
2 below:
- 3 080825-002 A contribution regarding 1x Enhancement Document Strategy (C00-20080825-
4 023R2) from KDDI on behalf of additional contributors Airvana, Alcatel-Lucent, Huawei,
5 LG Telecom, Kyocera, Motorola, NEC, Nortel, Qualcomm, Samsung, SK Telecom, US
6 Cellular, and ZTE was remanded to all WGs for review and comment with comments to
7 be coordinated by WG2 as an output of the September 2008 discussions. This
8 contribution is now held open until the December 2008 opening Plenary in Maui.
- 9 080825-005 WG3 to update WP5D parameters for radio interfaces appropriate for the new
10 IMT frequency ranges identified at WRC-07 as it was found that Report M.2039 for
11 CDMA MC contained incorrect values and agreed to amend this for a future WP5D
12 meeting. This contribution is now held open until the December 2008 meeting in Maui.
- 13 20. **ADJOURNMENT:** The Plenary was adjourned on 31 October 2008 at 10:00 AM local time.
14

NUMBER	SUBJECT	SOURCE	ACTION
OPENING PLENARY – C00-20081027-			
000	DOCUMENT REGISTER	SECRETARY	FYI
001	AGENDA	CHAIR	APPROVED
002	TSG-C Meeting Summary - August 2008 – Vancouver, BC, Canada	SECRETARY	APPROVED
003	TSG-C Meeting Summary – 24 September 2008 Interim Plenary	SECRETARY	APPROVED
004	TSG-C Meeting Summary – 9 October 2008 Interim Plenary	SECRETARY	APPROVED
005	TSG-S Document Status Table – September 2008	TSG-S	ALL WGs AND ADHOCS
006	TSG-S Liaison Report – September 2008	TSG-S LIAISON	FYI
007	Correspondence to all TSGs dated 2 October 2008 regarding TSG comment resolution for S.P0129-A v0.1 HRPD/1XRTT and 3GPP E-UTRAN (LTE) Interworking and Inter-Technology Handoff	TSG-S	WG2
008	Correspondence to all TSGs dated 2 October 2008 regarding Proposed Work Item Review	TSG-S	ALL WGs
009	Correspondence to the 3GPP2 WPD Convener dated 29 September 2008 regarding TSG-A Concerns Related to 3GPP2 Drafting Rules	TSG-A	FYI
010	Correspondence to the 3GPP2 SC Chair dated 29 September 2008 regarding 1x Femto Emergency Services	TSG-X	FYI
011	Correspondence to TSG-S dated 3 October 2008 regarding Review Items	TSG-X	WG1
012	Correspondence to all TSGs dated 3 October 2008 regarding Terminology	TSG-X	ALL WGs
013	3GPP2 Workplan Reports – September 2008	3GPP2 PMT COORDINATOR	ALL WGs AND ADHOCS
014	E-mail correspondence dated 10 October 2008 regarding SC level review for C.R1012-0 v1.0 Ultra Mobile Broadband (UMB) Performance Analysis	3GPP2 SECRETARIAT	FYI
015	TIA ballot comments for C.P0094-0 (TIA-1157) Signaling Conformance Test Specification for Inter-working of cdma2000 1x and High Rate Packet Data Systems.	TR45.5	WG4
016	TIA ballot comments for C.P0093-0 (TIA-1150) Highly Detectable Pilot Specification for the cdma2000 High Rate Packet Data Air Interface	TR45.5	WG2, WG3

NUMBER	SUBJECT	SOURCE	ACTION
017	TIA ballot comments for C.P0084-002 (TIA-1121.002-1) MAC Layer for Ultra Mobile Broadband (UMB) Air Interface Specification	TR45.5	WG2
018	TIA ballot comments for C.P0084-008 (TIA-1121.008-1) Route Control Plane for Ultra Mobile Broadband (UMB) Air Interface Specification	TR45.5	WG2
019	ITU-R WP5D Meeting Results	ITU ADHOC CHAIR	WG3, WG4, NTAH, AND ITU ADHOC
020	LS Response to TSG-S dated 17 October 208 regarding 3GPP2 Enhanced Network Policy Requirements	3GPP SA1	FYI
021	Correspondence dated 21 October 2008 regarding CDG initiative to increase availability of R-UIM based CDMA devices	CDG	WG1
022	V&V comments regarding C.P0084-0 Ultra Mobile Broadband (UMB) Air Interface Specification (Parts -002 and -008)	3GPP2 SECRETARIAT	WG2
023	V&V comments regarding C.P0093-0 v0.2 Highly Detectable Pilot Specification for the cdma2000 High Rate Packet Data Air Interface	3GPP2 SECRETARIAT	WG3
024	C.P0087-0 E-UTRAN - HRPD and CDMA2000 1x Connectivity and Interworking: Air Interface Specification proposed V&V text	WG2	APPROVED
025	C.P0084-000-A Overview TDD Overview for Ultra Mobile Broadband (UMB) Air Interface Specification proposed V&V text	WG2	APPROVED
026	C.P0084-012 Medium Access Control Layer Protocols For Ultra Mobile Broadband TDD (UMB-TDD) Air Interface Specification proposed V&V text	WG2	APPROVED
027	3GPP2 Workplan files – October 2008	3GPP2 PMT COORDINATOR	ALL WGs AND ADHOCs
028	V&V comments regarding C.P0094-0 v0.8 Signaling Conformance Test Specification for Interworking of cdma2000 1x and High Rate Packet Data Systems	3GPP2 SECRETARIAT	WG4
029	WI proposal for 1x Circuit Switch Fall Back in cdma2000 system	KDDI, QUALCOMM, MOTOROLA, HITACHI, AND NORTEL	ALL WGs
030	DO-Advanced Introduction	QUALCOMM	WG2, WG3

NUMBER	SUBJECT	SOURCE	ACTION
INTERIM PLENARY – C00-20081027-			
050	C.P0084-011-0 UMB PHY TDD Air Interface proposed V&V text	WG3	APPROVED
CLOSING PLENARY – C00-20081027-			
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	ITU AdHoc Report	ITU ADHOC	FYI
107	C.P1002-A cdma2000 Evaluation Methodology proposed baseline text	WG3	APPROVED
108	C.P0093-0 Highly Detectable Pilot Specification for the CDMA2000 High Rate Packet Data Air Interface proposed publication text	WG3	APPROVED
109	WI proposal for Update of Smart Card Specs to Support CDG OMH (Open Market Handsets) Initiative	QUALCOMM, SGS WIRELESS, AND SPIRENT	WG1
110	C.P0088-0 v0.7 Recommended Minimum Performance Standards for cdma2000 Ultra Mobile Broadband (UMB) Access Network proposed baseline text	WG4	APPROVED
111	C.P0089-0 v0.7 Recommended Minimum Performance Standards for cdma2000 Ultra Mobile Broadband Access Terminal proposed baseline text	WG4	APPROVED
112	C.P0090-0 v0.7, Test Application Specification for cdma2000 Ultra Mobile Broadband Air Interface proposed baseline text	WG4	APPROVED
113	C.P0094-0 Signaling Conformance Test Specification for Interworking of cdma2000 1x and High Rate Packet Data Systems proposed publication text	WG4	APPROVED
114	Proposed correspondence to TSG-S regarding TSG-C status of WI review	WG1	APPROVED
115	C.P1001-G v0.9 Administration of Parameter Value Assignments for cdma2000 Spread Spectrum Standards proposed V&V text	WG1	APPROVED

NUMBER	SUBJECT	SOURCE	ACTION
116	C.P0023-C v1.99 Removable User Identity Module for Spread Spectrum Systems proposed publication text	WG1	APPROVED
117	C.P0016-C v1.99 OTASP for Mobile Stations in Spread Spectrum Systems proposed publication text	WG1	APPROVED
118	C.P0022-B v0.5 Position Determination Service for cdma2000 Spread Spectrum Systems proposed baseline text	WG1	APPROVED
119	C.P0022-B v0.2 Position Determination Service for cdma2000 Spread Spectrum Systems Software Distribution proposed baseline text	WG1	APPROVED
120	TSG-S Liaison Report – October 2008	TSG-S LIAISON	FYI
121	Correspondence to TSG-X dated 30 October 2008 regarding eHRPD and Enhanced HRPD Terminology	TSG-S	FYI
122	Correspondence to all TSGs dated 30 October 2008 regarding Invitation to Release Planning Joint Lunch Session: Tuesday, 2 December 2008, NOON – 1PM	TSG-S	WG1
123	Correspondence to TSG-X dated 30 October 2008 in response to correspondence from TSG-X dated 3 October 2008 regarding Review Items	TSG-S	WG1
124	Correspondence to all TSGs dated 30 October 2008 regarding Future AdHoc Meetings	TSG-S	ALL WGs
125	E-mail correspondence dated 27 October 2008 regarding SC level approval for C.R1012-0 v1.0 Ultra Mobile Broadband (UMB) Performance Analysis	3GPP2 SECRETARIAT	FYI
126	E-mail correspondence dated 28 October 2008 regarding V&V review for C.P0084-000-A v0.9 Overview for Ultra Mobile Broadband (UMB) Air Interface Specification	3GPP2 SECRETARIAT	FYI
127	E-mail correspondence dated 28 October 2008 regarding V&V review for C.P0084-012-0 v0.9 Medium Access Control Layer Protocols for Ultra Mobile Broadband TDD (UMB-TDD) Air Interface Specification	3GPP2 SECRETARIAT	FYI
128	E-mail correspondence dated 28 October 2008 regarding V&V review for C.P0087-0 v0.5 E-UTRAN – cdma2000 Connectivity and Interworking Air Interface Specification	3GPP2 SECRETARIAT	FYI

NUMBER	SUBJECT	SOURCE	ACTION
129	C.P0067-A v1.0 [TIA-1081-A] Generic Key Exchange Protocol for cdma2000 High Rate packet Data Air Interface proposed baseline text	WG2	APPROVED
130	C.P0084-008 [TIA-1121.008-1] - Route Control Plane for Ultra Mobile Broadband (UMB) Air Interface Specification proposed publication text	WG2	APPROVED
131	C.P0084-002 [TIA-1121.002-1] MAC Layer for Ultra Mobile Broadband (UMB) Air Interface Specification proposed publication text	WG2	APPROVED
132	WI proposal for EVRC update	SPRINT, NORTEL, AND QUALCOMM	WG1

1
2

3GPP2 QUORUM ROLL CALL
 TSG-C (cdma2000 Air Interface)
 Seoul, Korea
 31-Oct-08

INDIVIDUAL MEMBER COMPANY	Attendance OPENING	Attendance INTERIM	Attendance CLOSING	Consec Mtgs Missed	Voting Status	Quorum Status	Voting Status	Quorum Status
	10/27/2008	10/29/2008	10/31/2008	Including this Mtg	This Meeting	This Meeting	Next Meeting*	Next Meeting*
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
DOCOMO US LABORATORIES				3	1	1	0	0
ERICSSON	1			0	1	1	1	1
GEMALTO				3	0	0	0	0
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			0	1	1	1	1
MOBILE SATELLITE VENTURES				3	1	1	0	0
MOTOROLA	1			0	1	1	1	1
NEC	1			0	1	1	1	1
NOKIA SIEMENS NETWORK				1	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			0	1	0	1	1
ROHDE & SCHWARZ	1			0	1	1	1	1
SAMSUNG	1			0	1	1	1	1
SIERRA WIRELESS				1	1	0	1	0
SK TELECOM	1			0	0	0	1	0
SPIRENT COMMUNICATIONS				1	1	1	1	1
SPRINT/NEXTEL		1		0	1	1	1	1
VERIZON WIRELESS	1			0	1	1	1	1
VIA TELECOM	1			0	1	1	1	1
ZTE	1			0	1	1	1	1
TOTALS	20	2	0		29	27	28	26
QUORUM CALCULATION	74%	7%	0%					
ADDITIONS								
GUEST OR OBSERVERS								
CDG	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.