

1 **Title:**

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2 **APPROVED SUMMARY OF TSG-C MEETING**  
3 **for 21-25 July 2008 in Orlando, FL, USA**

4 **Source:**

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5  
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17



18 **Abstract:**

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19 This document is a summary of the 3GPP2 TSG-C meetings that were held during the period of  
20 21-25 July 2008 in Orlando, FL, USA.  
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22 **Recommendations:**

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23 For review and approval.  
24

25 **Notice:**

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1 During the period of 21-25 July 2008, 3GPP2 TSG-C meetings were held at the Ritz-Carlton Orlando  
2 Grande Lakes in Orlando, FL, USA. This document is intended to summarize those proceedings.

#### 4 OPENING PLENARY

5 1. **CALL TO ORDER AND OPENING REMARKS:** The meeting was called to order on  
6 Monday 21 July 2008 at 8:46 AM local time by TSG-C Chair, Dennis Gentzler (Alltel).

7 The Chair welcomed everyone to Orlando, FL. The Chair requested all participants to sign in on  
8 the 3GPP2 LAN.

9 2. **ATTENDANCE REGISTRATION AND ROLL CALL:** A roll call of companies indicated  
10 that 18 companies included on the list of 27 active quorum members were present (67%  
11 participation). Thus, meeting quorum was achieved.

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

13 The Chair summarized the following activities for the week:

- 14 • Tuesday NOON-1:00 PM PMT hosted discussions on 3GPP2 Vision Document

15 3. **INTRODUCTION AND NUMBERING OF CONTRIBUTIONS:** Contributions were loaded  
16 onto the 3GPP2 LAN server and listed in the document register (C00-20080721- 000).

17 4. **AGENDA APPROVAL:** The proposed agenda (C00-20080721-001) was presented.

18 **DECISION: The agenda was approved without objection as submitted (C00-20080721-001).**

19 The Chair noted the following meeting objectives for this session:

- 20 • 1x/HRPD Enhancements
- 21 • 3GPP2 Interworking projects
- 22 • V&V resolution of the Band Class & Highly Detectable Pilot Specifications.
- 23 • UMB Performance Report
- 24 • TDD efforts

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:** The summary of the TSG-C meeting  
28 for June 2008 that was held in Cancun, Mexico (C00-20080721-002) was presented.

29 **DECISION: This meeting summary was approved without objection as submitted (C00-  
30 20080721-002).**

1 7. **REVIEW OF OUTSTANDING ACTIONS FROM PREVIOUS MEETING:** The action  
2 items from the June 2008 face-to-face meeting and interim Plenary conference call were noted as  
3 follows:

4 NONE.

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 SC level review and approval for C.S0055-A  
10 v1.0 Packet Switched Video Telephony Services (PSVT/MCS) (C00-20080721-  
11 008) was presented from the 3GPP2 Secretariat as FYI for TSG-C.
- 12 • E-mail correspondence dated 23 June 2008 regarding V&V review for C.P0059-0  
13 v0.8 Signaling Conformance Test Specification For cdma2000 Position  
14 Determination Services (C00-20080721-009) was presented from the 3GPP2  
15 Secretariat as FYI for TSG-C.
- 16 • E-mail correspondence dated 23 June 2008 regarding V&V review for C.P0091-0  
17 v0.8 Signaling Conformance Specification for Ultra Mobile Broadband Air  
18 Interface (C00-20080721-010) was presented from the 3GPP2 Secretariat as FYI  
19 for TSG-C.
- 20 • E-mail correspondence dated 23 June 2008 regarding V&V review for C.P0084-0  
21 v2.x UMB Air Interface (10 Parts) (C00-20080721-011) was presented from the  
22 3GPP2 Secretariat as FYI for TSG-C.
- 23 • E-mail correspondences regarding September 2008 meeting (C00-20080721-012)  
24 was presented from the 3GPP2 Secretariat as FYI for TSG-C.
- 25 The Chair noted that this meeting notice may be in error since the September  
26 2008 will be WG only meetings for WG2 and possibly WG3. This is not a full  
27 TSG-C meeting and no Plenary session is planned for this meeting cycle.
- 28 • V&V comments regarding C.P0065-0 v1.8 cdma2000 Application on UICC for  
29 Spread Spectrum Systems (C00-20080721-013) was presented from the 3GPP2  
30 Secretariat. **ACTION: This contribution was remanded to WG1 for review  
31 and action as appropriate.**
- 32 • V&V comments regarding C.P0066-0 v1.8 Over-the-Air Service Provisioning for  
33 MEID-Equipped Mobile Stations in Spread Spectrum Systems (C00-20080721-  
34 014) was presented from the 3GPP2 Secretariat. **ACTION: This contribution  
35 was remanded to WG1 for review and action as appropriate.**
- 36 • V&V comments for C.P0016-C v1.9 Over-the-Air Service Provisioning of  
37 Mobile Stations in Spread Spectrum Standards (C00-20080721-020) was  
38 presented from the 3GPP2 Secretariat. **ACTION: This contribution was  
39 remanded to WG1 for review and action as appropriate.**

- 1                   •     V&V comments for C.P0023-C v1.8 Removable User Identity Module for Spread  
2     Spectrum Systems (C00-20080721-021) was presented from the 3GPP2  
3     Secretariat. **ACTION: This contribution was remanded to WG1 for review  
4     and action as appropriate.**
- 5                   •     V&V comments for C.P0057-C v0.2 Band Class Specification for cdma2000  
6     Spread Spectrum Systems (C00-20080721-022) was presented from the 3GPP2  
7     Secretariat. **ACTION: This contribution was remanded to WG3 for review  
8     and action as appropriate.**
- 9                   •     V&V comments for C.P0093-0 v0.1 Highly Detectable Pilot Specification for the  
10    cdma2000 High Rate Packet Data Air Interface (C00-20080721-023) was  
11    presented from the 3GPP2 Secretariat. **ACTION: This contribution was  
12    remanded to WG2 and WG3 for review and comment with comments to be  
13    coordinated by WG3.**
- 14                  •     V&V comments for C.P0059-0 v0.8 Signaling Conformance Test Specification  
15    for cdma2000 Position Determination Services (C00-20080721-027) was  
16    presented from the 3GPP2 Secretariat. **ACTION: This contribution was  
17    remanded to WG4 for review and action as appropriate.**
- 18                  •     V&V comments for C.P0084-0 v2.8 Ultra Mobile Broadband (UMB) Air  
19    Interface Specification (10 Parts) (C00-20080721-028) was presented from the  
20    3GPP2 Secretariat. **ACTION: This contribution was remanded to WG2 and  
21    WG3 for review and action as appropriate.**
- 22                  •     V&V comments for C.P0091-0 v0.8 Signaling Conformance Specification for  
23    Ultra Mobile Broadband Air Interface (C00-20080721-029) was presented from  
24    the 3GPP2 Secretariat. **ACTION: This contribution was remanded to WG4  
25    for review and action as appropriate.**
- 26                  •     TSG-A: No contributions or discussion.
- 27                  •     TSG-S: The following contributions were discussed:
- 28                    •     TSG-S Document Status Table for June 2008 (C00-20080721-003) was presented  
29                    from TSG-S. **ACTION: This contribution was remanded to all WGs and  
30                    AdHocs as FYI.**
- 31                    •     Correspondence to all TSGs dated 19 June 2008 regarding Proposed Work Item  
32                    Review (C00-20080721-004) was presented from TSG-S. **ACTION: This  
33                    contribution was remanded to all WGs and AdHocs for review and comment  
34                    with comments to be coordinated by WG1.**
- 35                    •     3GPP2 Workplan Reports for July 2008 (C00-20080721-005) were presented  
36                    from the PMT Coordinator. **ACTION: This contribution was remanded to all  
37                    WGs and AdHocs for review and comment with comments to be coordinated  
38                    by WG1.**

- 1           •       TSG-X: The following contributions were discussed:
- 2           •       Correspondence to TSG-S dated 20 June 2008 regarding Review Items (C00-
- 3                     20080721-006) was presented from TSG-X. **ACTION: This contribution was**
- 4                     **remanded to WG1 for review and action as appropriate.**
- 5           •       Correspondence to TSG-A dated 20 June 2008 regarding Support Emergency Call
- 6                     Over HRPD Network (C00-20080721-007) was presented from TSG-X.
- 7                     **ACTION: This contribution was remanded to WG2 for review and action as**
- 8                     **appropriate.**
- 9           •       TR45: The following contributions were discussed:
- 10           •       TIA ballot comments regarding TIA PN-3-0215-AD1 (C.P0065-0 v2.0)
- 11                     cdma2000 Application on UICC for Spread Spectrum Systems (C00-20080721-
- 12                     015) was presented from TIA TR45.5. **ACTION: This contribution was**
- 13                     **remanded to WG1 for review and action as appropriate.**
- 14           •       TIA ballot comments regarding TIA PN-0321 (C.P0093-0 v1.0) Highly
- 15                     Detectable Pilot Specification for the cdma2000® (C00-20080721-016) was
- 16                     presented from TIA TR45.5. **ACTION: This contribution was remanded to**
- 17                     **WG2 and WG3 for review and comment with comments to be coordinated**
- 18                     **by WG3.**
- 19           •       ITU: No contributions or discussion.
- 20           •       CDG: No contributions or discussion.
- 21           •       OMA: No contributions or discussion.
- 22           •       3GPP/ETSI: No contributions or discussion.
- 23           •       Other: No contributions or discussion.

## 24   9.   WORKING GROUP REPORTS:

- 25           •       WG1 REPORT: A verbal report of WG1 activities was presented by WG1 Chair, Doug
- 26                     Dunn (Kyocera), as FYI.
- 27                     WG1 will consider a plan to consolidate SWG1.1 and SWG1.2 into a single SWG. That
- 28                     new group would be called SWG1.1. The TSG-C Chair indicated his support for this
- 29                     plan and confirmed the WG1 Chair's recommendation that current SWG1.2 Chair,
- 30                     Chandru Sundarraman from Qualcomm, be appointed as the Chair for this new SWG.
- 31                     The final scope of work for this new SWG and related details should be provided by the
- 32                     August 2008 meeting for review.
- 33                     **DECISION: Proposed correspondence to TSG-S PMT Coordinator regarding**
- 34                     **TSG-C Answers to Work Plan Questions (C00-20080721-024) was approved without**
- 35                     **objection for transmission pending the addition of TSG-S on the cc list.**
- 36                     **DECISION: Proposed correspondence to TSG-S in response to questions with**
- 37                     **respect to WI 000091 & WI 00208 (C00-20080721-025) was approved without**
- 38                     **objection for transmission.**

**DECISION: WG1 Project Number Request C00-20080721-026) was approved without objection and remanded to WG1 for action.**

No actions were requested of the Plenary at this time.

- WG2 REPORT: A verbal report of WG2 activities was presented by WG2 Chair, Orlett Pearson (Alcatel-Lucent), as FYI. The WG2 Chair noted that the majority of this meeting cycle would be spent on HRPD interworking contributions.
- WG3 REPORT: A verbal report of the WG3 activities was presented by WG3 Chair, Ed Tiedemann (Qualcomm), as FYI. The WG3 Chair indicated that the group would be addressing 1x/HRPD enhancements and V&V resolution of the Band Class & HDP specifications. Additionally, it was noted that V&V comments on the UMB point release ballot closes on Thursday and comments would not be addressed to the meeting cycle.
- 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. NTAH Chair requested that the ITU AdHoc provide the latest ITU WP5D IMT-Advanced documents out of their last meeting.

No actions were requested of the Plenary at this time.

- ITU REPORT: A verbal report of ITU AdHoc activities was presented by ITU AdHoc Chair, Yoshinori Ishikawa (Hitachi), as FYI.

The ITU AdHoc may have temporary document versions of ITU-R WP5D that are planned for output.

No actions were requested of the Plenary at this time.

The Chair noted the following WG priorities (based upon the general consensus of the 3GPP2 Workshop output to be reported to the SC next week) for current work underway:

- 1) V&V resolution of the Band Class & Highly Detectable Pilot Specifications
- 2) 1x/HRPD Enhancements, interworking w/non-3GPP2 systems, and Femto activities appear to be priority items
- 3) Still open questions on IMT Advanced
- 4) UMB Enhancements seem to have a lower priority

**ACTION: The Chair directed that all WG activities be managed according to those priorities pending additional guidance from the SC next week.**

10. **OLD BUSINESS:** The following contributions were discussed:

- V&V comments for C.P0023-C v1.8 R-UIM specifications (C00-20080721-018) were presented from Gemalto and KDDI. **ACTION: This contribution was remanded to WG1 for review and action as appropriate.**

- 1           •       V&V Comments for C.P0016-C v1.8 OTAPA/SP specifications (C00-20080721-019)  
2                    were presented from Gemalto and KDDI. **ACTION: This contribution was remanded**  
3                    **to WG1 for review and action as appropriate.**

4 11.    **ITU PROCESS/APPROVAL:** No contributions or discussion.

5 12.    **NEW BUSINESS:** Preliminary Ultra Mobile Broadband Performance Analysis proposed  
6           baseline text (C00-20080721-017) was presented from Qualcomm. **ACTION: This**  
7           **contribution was remanded to WG3 for review and action as appropriate.**

8 This session was recessed on 21 July 2008 at 10:38 PM local time.

9

10

### 11 **CLOSING PLENARY:**

12 The meeting was reconvened on Friday 25 July 2008 at 8:46 AM local time by TSG-C Chair, Dennis  
13 Gentzler (Alltel).

14 Quorum was established at the opening Plenary and not challenged at this time. Two (2) additional  
15 3GPP2 individual member companies were noted in attendance.

### 16 **13. WORKING GROUP REPORTS:**

- 17           •       WG1 REPORT: The WG1 report (C00-20080721-101) was presented by WG1 Chair,  
18                    Doug Dunn (Kyocera), as FYI.
- 19           •       Documents Being Proposed for SC Level Review:
    - 20               •       C.P0065-0 v1.9 cdma2000 Application on UICC for Spread Spectrum
    - 21                Systems (to be published as C.S0065-0 v2.0)
    - 22               •       C.P0066-0 v1.9 Over-the-Air Service Provisioning for MEID-Equipped
    - 23                Mobile Stations in Spread Spectrum Systems (to be published as C.S0066-
    - 24                0 v2.0)
  - 25           •       Documents Being Released to Resolve TIA Legal comments: NONE
  - 26           •       Documents Being Proposed for V&V:
    - 27               •       C.P0016-C v1.95 Over-the-Air Service Provisioning of Mobile Stations in
    - 28                Spread Spectrum Standards – extended V&V
    - 29               •       C.P0023-C v1.95 Removable User Identity Module for Spread Spectrum
    - 30                Systems – extended V&V
  - 31           •       Documents Being Proposed for Baseline: NONE
  - 32           •       Also progressed the development of the following:
    - 33               •       C.S0022 Position Determination Service for cdma2000 Spread Spectrum
    - 34                Systems
    - 35               •       C.R1001-G Administration of Parameter Value Assignments for
    - 36                cdma2000 Spread Spectrum Standards

- The merger of SWG1.1 and SWG1.2 has begun. The scope (Terms of Reference) will be completed by the August meeting. The WG1 Chair and the SWG1.1 Chair, Chandru Sundarraman (Qualcomm), will initiate a review of existing work with the SWG and seek input on future work. The SWG will meet via teleconference and will not meet at the August meeting.
- The following project numbers have now been assigned:

Project No.	Title
C.S0094-0	Signaling Conformance Specification for 1x/HRPD Inter-working
C.R1001-G	Administration of Parameter Value Assignments for cdma2000 Spread Spectrum Standards

**DECISION: The following TSG-C WIs (C00-20080721-101A) were approved without objection and liaised to the TSG-S PMT for processing as 3GPP2 WIs:**

Title	Assigned TSG-C WI No.
Signaling Conformance Test Specification for Interworking of cdma2000 1X High Rate Packet data and Long Term Evolution systems	TSGC-118
Enhancement of the cdma2000 1x System	TSGC-119

**DECISION: C.P0065-0 v1.8 cdma2000 Application on UICC for Spread Spectrum Systems (C00-20080721-113R1) was approved without objection for publication as C.S0065-0 v2.0 and liaised to TIA TR45.5.**

**DECISION: C.P0066-0 v1.9 Over-the-Air Service Provisioning for MEID-Equipped Mobile Stations in Spread Spectrum Systems (C00-20080721-114) was approved without objection for publication as C.S0066-0 v2.0 and liaised to TIA TR45.5.**

**DECISION: C.P0016-C v1.95 Over-the-Air Service Provisioning of Mobile Stations in Spread Spectrum Standards (C00-20080721-111) was approved without objection for extended V&V review by the 3GPP2 OPs and TSG-C participants with comments due on or before 28 August 2008.**

**DECISION: C.P0023-C v1.95 Removable User Identity Module for Spread Spectrum Systems (C00-20080721-112) was approved without objection for extended V&V review by the 3GPP2 OPs and TSG-C participants with comments due on or before 28 August 2008.**

**DECISION: Proposed correspondence to the PMT Coordinator regarding Work Plan Questions (C00-20080721-115R1) was approved without objection for transmission.**

**DECISION: Proposed correspondence to TSG-S regarding TSG-C status of WI review (C00-20080721-116) was approved without objection for transmission.**

**DECISION: Proposed correspondence to ITU-T SG 12 regarding Reply to LS “New Recommendation on Narrowband Hands-Free Communication in Motor Vehicles” (C00-20080721-117) was approved without objection for transmission.**



- 1           •     WG2 REPORT: The WG2 report (C00-20080721-102) was presented by the WG2 Chair,  
2           Orlett Pearson (Alcatel-Lucent), as FYI.
- 3           •     Received correspondence from TSG-S on eHRPD Security. WG2 had discussion  
4           with TSG-S WG4 and the WG4 Chair stated that they did not need a response  
5           back from TSG-C because they agreed to use Proposal 1 as indicated in C00-  
6           20080616-142.
- 7           •     Based on this discussion, it was noted that C.S0067 has to be modified. Since an  
8           eHRPD work item already exists, WG2 request that an email be sent to TSG-S  
9           stating that C.S0067-A should be added to the already existing eHRPD Work  
10          Item 195.
- 11          •     Inter-working Stage 2 contributions were approved. Stage 3 work will be  
12          submitted during conference calls and future meetings.

13          No actions requested from Plenary at this time.

- 14          •     WG3 REPORT: The WG3 report (C00-20080721-103) was presented by WG3 Chair, Ed  
15          Tiedemann (Qualcomm), as FYI.
- 16          •     Agreed to recommend C.P0057-C Band Class Specification for cdma2000 Spread  
17          Spectrum Systems for publication
- 18          •     Agreed to recommend C.P1012 Ultra Mobile Broadband (UMB) Performance  
19          Analysis as baseline text
- 20          •     WG3 completed the component process and updated the TDD stage 2 document  
21          text development is now beginning on C.P0084-001-A to incorporate TDD.
- 22          •     WG3 updated and approved modifications to M.1801 as requested by the ITU  
23          AdHoc group. The modifications were sent to the ITU AdHoc group.
- 24          •     WG3 received a request from the ITU to provide a set of parameters for sharing  
25          studies based on new spectrum from WRC07, initially focusing on the 698-862  
26          MHz band. Due to the schedule of the upcoming WP5D meeting, this will need  
27          to be completed during the August meeting. WG3 can take the lead, but will need  
28          some assistance from WG4 at the next meeting. However, an interim Plenary call  
29          may be required.
- 30          •     Framework proposals for 1x Enhancements are now due in August 2008. A  
31          projected schedule for this development was forwarded to WG1. The Chair  
32          directed that WG3 should not preclude contributions on framework until the SC  
33          directions on future development and the WG1 hosted coordination meeting on  
34          future work planning is completed next month.

35          **DECISION: C.P0057-C 3GPP2 Band Class document (C00-20080721-107) was**  
36          **approved without objection for publication as C.S0057-C v1.0.**

37          **DECISION: TIA-1030-C Band Class Specification for cdma2000 Spread Spectrum**  
38          **Systems (C00-20080721-108) was approved without objection to be liaised to TIA**  
39          **TR45.5.**

1 **DECISION: Responses to TIA ballot comments for C.S0057-C 3GPP2 Band Class**  
2 **Specification for cdma2000 Spread Spectrum Systems (C00-20080721-109) was**  
3 **approved without objection to be liaised to TIA TR45.5**

4 **DECISION: C.P1012-0 Ultra Mobile Broadband (UMB) Performance Analysis**  
5 **(C00-20080721-110) was approved without objection as baseline text and remanded**  
6 **back to WG3 for R&F.**

7 The Chair thanked the WG3 Chair for taking the lead in organizing work for publication  
8 of the UMB Performance Analysis.

- 9 • WG4 REPORT: The WG4 report (C00-20080721-104) was presented by WG4 Co-Chair,  
10 Dave Whipple (Agilent) as FYI.
  - 11 • Work continues on UMB MPS specifications. A decision has been reached to  
12 split the MPS documents into two releases. The first release will not contain  
13 receiver specifications for a faded channel. These will be added in the second  
14 release.
  - 15 • V&V text on two (2) documents was delayed by TIA server problems. These  
16 documents should be released for publication next month. Work continues on the  
17 R&F versions.

18 No actions requested from Plenary at this time.

19 The Chair welcomed WG4 Co-Chair, Dave Whipple (Agilent), back to regular  
20 participation in TSG-C meetings.

- 21 • NTAH REPORT: The NTAH report (C00-20080721-105) was presented by the NTAH  
22 Chair, Anthony Soong (Huawei), as FYI.
  - 23 • NTAH review the ITU WP-5D output from the last ITU meeting. It was noted in  
24 the discussion that there were no changes to the IMT Advanced timeline.  
25 Furthermore, the ITU will hold a work shop on 7 October 2008 on IMT Advanced.  
26 The purpose of the workshop is to provide common understanding of the process  
27 for IMT-Advanced standardization, to observe current and future development  
28 aspects of IMT Advanced RIT, to facilitate possible proponents for consensus  
29 building, to share IMT Advanced market and regulatory aspects, as well as to  
30 discuss how WP-5D has addressed the needs of developing countries. As such,  
31 the ITU is asking for presentations on possible technologies for IMT-Advanced  
32 RIT.
  - 33 • NTAH had a long discussion as to whether 3GPP2 should make a presentation at  
34 the workshop. The conclusion of which is that NTAH unanimously recommends  
35 to the plenary that 3GPP2 should make a presentation. To facilitate this, NTAH  
36 has formed a drafting group, chaired by Daegyun Kim (Samsung), to draft the  
37 first version of the presentation for NTAH to review at the next meeting.
  - 38 • NTAH also had a discussion if we should register as an independent evaluator for  
39 IMT Advanced. The following opinions were expressed:
    - 40 • 3GPP2 should register
    - 41 • SDO's should register.

1 NTAH could not reach a consensus on this issue. Since the registration only needs  
2 to be sent to the ITU in December, NTAH will hold this issue open.

- 3 • Currently NTAH has the following technologies under discussion: network  
4 MIMO, cooperative MIMO, layer modulation, Orthogonal space time multiple  
5 access, zero forcing beam forming multi-user MIMO and cell coordinated  
6 multiple antenna scheme.
- 7 • NTAH has a call for contributions on topics for the ITU workshop presentation as  
8 well as technology proposals. NATH is planning to have all framework proposals  
9 on UMB enhanced submitted by the August face-to-face meeting. NTAH also  
10 encourage members companies to submit possible features for the inclusion into  
11 UMB evolved.

12 No actions were requested from Plenary at this time.

13 **DECISION: Regarding the 3GPP2 input into the ITU workshop, TSG-C will**  
14 **recommend to the SC that 3GPP2 do provide an input into the upcoming ITU**  
15 **workshop on IMT Advanced.**

16 **DECISION: TSG-C will request direction from the SC for direction on whether or**  
17 **not 3GPP2 should register as an independent evaluator for IMT Advanced or if the**  
18 **SDOs should register independently.**

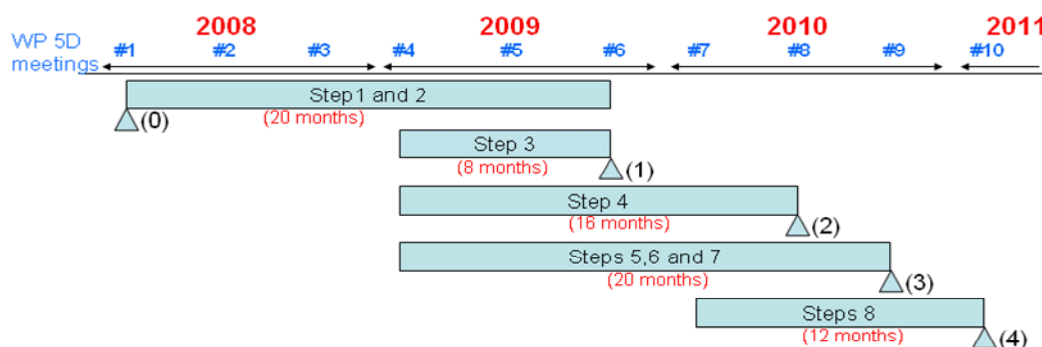
19 **ACTION: The NTAH Chair will provide a list of actions already submitted by**  
20 **3GPP2 in conjunction with IMT Advanced activities for reference in the TSG-C**  
21 **Report to the SC.**

- 22 • ITU ADHOC REPORT: The ITU AdHoc report (C00-20080721-105) was presented by  
23 the ITU AdHoc Chair, Ron Ferguson (Sprint), as FYI.
  - 24 • M.1457-8: It was decided that nothing was required from 3GPP2 or any of the  
25 OPs for M.1457-8, since CDMA-MC did not have an update.
  - 26 • M.1457-9: 3GPP2 needs to decide how to submit the TDD component of  
27 CDMA-MC for Revision 9, whether it be an update or a new radio interface. This  
28 needs to be decided at the OP/SC level.
  - 29 • M.1580/1: Not yet decided in WP5D whether ACLR should be included in  
30 M.1580 and M.1581. TIA sent contribution to WP5D on M.1580/1 with ACLR  
31 values included. Issues were expressed by some members at this meeting that  
32 ACLR values should not be included. These members have stated they will bring  
33 a contribution on this topic at a future 3GPP2 meeting.
  - 34 • M.1801: Revision to M.1801 submitted by WG3 to the ITU AdHoc. Document  
35 will be held over until August for further review before being sent to WP5A.
  - 36 • Liaison to External Organizations on Parameters for IMT Radio Interface: WP5D  
37 is requesting parameters for radio interfaces appropriate for the new IMT  
38 frequency ranges identified at WRC-07. This information was passed on to WG3  
39 which will be preparing this material for the August meeting.

- IMT Advanced: A workshop has been proposed on IMT Advanced for 7 October 2008 in Korea. Technology proponents will be asked to make presentations relevant to their technologies. 3GPP2 needs to decide whether it will make a presentation at this meeting.

External Evaluation Groups will be formed to evaluate the candidate IMT Advanced technologies. 3GPP2 must decide if it should set itself up as an evaluation group to do evaluation of other technologies besides its own. Timeline for registering as an evaluation group is end of 2008.

The IMT Advanced timeline was noted as follows:



- Steps in radio interface development process:
 

Step 1: Issuance of the Circular Letter	Step 5: Review and coordination of outside evaluation activities
Step 2: Development of candidate RITs	Step 6: Review to assess compliance with minimum requirements
Step 3: Reception of the submissions and issuance of an acknowledgement for RIT	Step 7: Consideration of evaluation results, consensus building and decision
Step 4: Evaluation of candidate RITs by evaluation groups	Step 8: Development of Radio Interface Recommendation(s)
- Critical milestones in radio interface development process:
 

(0): Issue an invitation to propose RITs	February 2008	(2): Cut off for evaluation report to ITU	June 2010
(1): ITU proposed cut off for submission of candidate RIT proposals, to be confirmed by evaluation groups	October 2009	(3): WP 5D decides framework and key characteristics of IMT-Advanced RITs	October 2010
		(4): WP 5D completes development of radio interface specification Recommendations	February 2011

No actions were requested from Plenary at this time.

#### 14. LIAISON REPORTS:

- OP: No contributions or discussions.
- SC: No contributions or discussions.
- 3GPP2 SECRETARIAT:
- TSG-A: Correspondence to all TGSs dated 24 July 2008 regarding HRPD Emergency Indication (C00-20080721-123) was presented from TSG-A. **ACTION: This contribution was remanded to WG2 for review and action as appropriate.**
- TSG-S: The following contributions were discussed:
  - The TSG-S Liaison Report for July 2008 (C00-20080721-118) was presented from the TSG-S Liaison as FYI for TSG-C.
  - Correspondence to TSGs dated 24 July 2008 regarding Joint Meeting on Emergency Call Callback (C00-20080721-119) was presented from TSG-S. **ACTION: This contribution was remanded to all WGs and AdHocs as FYI.**

- 1           •       Correspondence to 3GPP SA1 dated 24 July 2008 regarding Enhanced Network  
2 Policy Requirements for Common IMS (C00-20080721-120) was presented from  
3 TSG-S as FYI to TSG-C.
- 4           •       Correspondence to all TSGs dated 24 July 2008 regarding Review of Current  
5 Practice for Numbering of Multi-part Documents – Call for Contributions (C00-  
6 20080721-121) was presented from TSG-S. **ACTION: This contribution was**  
7 **remanded to all WGs and AdHocs as FYI.**
- 8           •       Correspondence to all TGSs dated 24 July 2008 regarding the 3GPP2 Vision  
9 Document (C00-20080721-122) was presented from TSG-S. **ACTION: This**  
10 **contribution was remanded to all WGs and AdHocs as FYI.**
- 11       •       TSG-X: No contributions or discussions.
- 12       •       TIA: The following contributions were discussed:
- 13           •       TIA ballot comments for PN-3-0157 TIA-1038: (C.P0059-0) Signaling  
14 Conformance Test Specification for cdma2000 Location Services (C00-  
15 20080721-124) were presented from TIA TR45.5. **ACTION: This contribution**  
16 **was remanded to WG4 for review and action as appropriate.**
- 17           •       TIA ballot comments for Project Number 3-0322, TIA-1151 ( C.P0091) Signaling  
18 Conformance Specification for Ultra Mobile Broadband Air Interface (C00-  
19 20080721-125) were presented from TIA TR45.5. **ACTION: This contribution**  
20 **was remanded to WG4 for review and action as appropriate.**
- 21           •       TIA ballot comments for Project Number 3-0272.000-AD1-TIA-1121.000-1  
22 (C.P0084-000-0) Overview for Ultra Mobile Broadband (UMB) Air Interface  
23 Specification (C00-20080721-126) were presented from TIA TR45.5. **ACTION:**  
24 **This contribution was remanded to WG2 for review and action as**  
25 **appropriate.**
- 26           •       TIA ballot comments for Project Number 3-0272.002-AD1 - TIA-1121.002-1  
27 (C.P0084-002-0) MAC Layer for Ultra Mobile Broadband (UMB) Air Interface  
28 Specification (C00-20080721-127) were presented from TIA TR45.5. **ACTION:**  
29 **This contribution was remanded to WG2 for review and action as**  
30 **appropriate.**
- 31           •       TIA ballot comments for Project Number 3-0272.003-AD1 - TIA-1121.003-1  
32 (C.P0084-003-0) Radio Link Layer for Ultra Mobile Broadband (UMB) Air  
33 Interface Specification (C00-20080721-128) were presented from TIA TR45.5.  
34 **ACTION: This contribution was remanded to WG2 for review and action as**  
35 **appropriate.**
- 36           •       TIA ballot comments for Project Number 3-0272.004-AD1 - TIA-1121.004-1  
37 (C.P0084-004-0) Application Layer for Ultra Mobile Broadband (UMB) Interface  
38 Specification (C00-20080721-129) were presented from TIA TR45.5. **ACTION:**  
39 **This contribution was remanded to WG2 for review and action as**  
40 **appropriate.**

- TIA ballot comments for Project Number 3-0272.001-AD1 - TIA-1121.001-1 (C.P0084-001-0) Physical Layer for Ultra Mobile Broadband (UMB) Air Interface Specification (C00-20080721-130) were presented from TIA TR45.5.  
**ACTION: This contribution was remanded to WG3 for review and action as appropriate.**

- ITU: No contributions or discussions.
- CDG: No contributions or discussions.
- 3GPP: No contributions or discussions.
- OTHER: No contributions or discussions.

15. **OLD BUSINESS (continued):** No contributions or discussions.

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

17. **FUTURE MEETING SCHEDULE:**

25-29 August 2008	Hyatt Regency Vancouver in Vancouver, BC, Canada
30 September – 2 October 2008 (WG2 & WG3 only)	Vancouver Marriott Pinnacle Downtown Hotel in Vancouver, BC, Canada
27-31 October 2008	Sheraton Grande WalkerHill Hotel in Seoul, Korea

The Chair has directed that WG1 hold a joint WG planning session during the August 2008 meeting in Vancouver on future TSG-C work planning and prioritization of work.

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

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

080721-001 The NTAH Chair will provide a list of actions already submitted by 3GPP2 in conjunction with IMT Advanced activities for reference in the TSG-C Report to the SC.

20. **ADJOURNMENT:** The Plenary was adjourned on 25 July 2008 at 11:29 AM local time.

NUMBER	SUBJECT	SOURCE	ACTION
<b>OPENING PLENARY – C00-20080721-</b>			
000	DOCUMENT REGISTER	SECRETARY	FYI
001	AGENDA	CHAIR	APPROVAL
002	TSG-C Meeting Summary - June 2008 – Cancun, Mexico	SECRETARY	APPROVAL
003	TSG-S Document Status Table – June 2008	TSG-S	ALL WGs
004	Correspondence to all TSGs dated 19 June 2008 regarding Proposed Work Item Review	TSG-S	ALL WGs
005	3GPP2 Workplan Reports – July 2008	PMT COORDINATOR	ALL WGs
006	Correspondence to TSG-S dated 20 June 2008 regarding Review Items	TSG-X	WG1
007	Correspondence to TSG-A dated 20 June 2008 regarding Support Emergency Call Over HRPD Network	TSG-X	WG2
008	E-mail correspondences regarding SC level review and approval for C.S0055-A v1.0 Packet Switched Video Telephony Services (PSVT/MCS)	3GPP2 SECRETARIAT	FYI
009	E-mail correspondence dated 23 June 2008 regarding V&V review for C.P0059-0 v0.8 Signaling Conformance Test Specification For cdma2000 Position Determination Services	3GPP2 SECRETARIAT	FYI
010	E-mail correspondence dated 23 June 2008 regarding V&V review for C.P0091-0 v0.8 Signaling Conformance Specification for Ultra Mobile Broadband Air Interface	3GPP2 SECRETARIAT	FYI
011	E-mail correspondence dated 23 June 2008 regarding V&V review for C.P0084-0 v2.x UMB Air Interface (10 Parts)	3GPP2 SECRETARIAT	FYI
012	E-mail correspondences regarding September 2008 meeting	3GPP2 SECRETARIAT	FYI
013	V&V comments regarding C.P0065-0 v1.8 cdma2000 Application on UICC for Spread Spectrum Systems	3GPP2 SECRETARIAT	WG1
014	V&V comments regarding C.P0066-0 v1.8 Over-the-Air Service Provisioning for MEID-Equipped Mobile Stations in Spread Spectrum Systems	3GPP2 SECRETARIAT	WG1
015	TIA ballot comments regarding TIA PN-3-0215-AD1 (C.P0065-0 v2.0) cdma2000 Application on UICC for Spread Spectrum Systems	TIA TR45.5	WG1
016	TIA ballot comments regarding TIA PN-0321 (C.P0093-0 v1.0) Highly Detectable Pilot Specification for the cdma2000 <sup>®</sup>	TIA TR45.5	WG2, WG3

NUMBER	SUBJECT	SOURCE	ACTION
017	Preliminary Ultra Mobile Broadband Performance Analysis proposed baseline text	QUALCOMM	WG3
018	V&V comments for C.P0023-C v1.8 R-UIM specifications	GEMALTO AND KDDI	WG1
019	V&V Comments for C.P0016-C v1.8 OTAPA/SP specifications	GEMALTO AND KDDI	WG1
020	V&V comments for C.P0016-C v1.9 Over-the-Air Service Provisioning of Mobile Stations in Spread Spectrum Standards	3GPP2 SECRETARIAT	WG1
021	V&V comments for C.P0023-C v1.8 Removable User Identity Module for Spread Spectrum Systems	3GPP2 SECRETARIAT	WG1
022	V&V comments for C.P0057-C v0.2 Band Class Specification for cdma2000 Spread Spectrum Systems	3GPP2 SECRETARIAT	WG3
023	V&V comments for C.P0093-0 v0.1 Highly Detectable Pilot Specification for the cdma2000 High Rate Packet Data Air Interface	3GPP2 SECRETARIAT	WG2, WG3
024	Proposed correspondence to TSG-S PMT Coordinator regarding TSG-C Answers to Work Plan Questions	WG1	APPROVED
025	Proposed correspondence to TSG-S in response to questions with respect to WI 000091 & WI 00208	WG1	APPROVED
026	WG1 Project Number Request	WG1	APPROVED
027	V&V comments for C.P0059-0 v0.8 Signaling Conformance Test Specification for cdma2000 Position Determination Services	3GPP2 SECRETARIAT	WG4
028	V&V comments for C.P0084-0 v2.8 Ultra Mobile Broadband (UMB) Air Interface Specification (10 Parts)	3GPP2 SECRETARIAT	WG2, WG3
029	V&V comments for C.P0091-0 v0.8 Signaling Conformance Specification for Ultra Mobile Broadband Air Interface	3GPP2 SECRETARIAT	WG4
<b>CLOSING PLENARY – C00-20080721--</b>			
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.P0057-C 3GPP2 Band Class document proposed publication text	WG3	APPROVED



<b>NUMBER</b>	<b>SUBJECT</b>	<b>SOURCE</b>	<b>ACTION</b>
108	TIA-1030-C Band Class Specification for cdma2000 Spread Spectrum Systems proposed publication text	WG3	TIA TR45.5
109	Responses to TIA ballot comments for C.S0057-C 3GPP2 Band Class Specification for cdma2000 Spread Spectrum Systems	WG3	TIA TR45.5
110	C.P1012-0 Ultra Mobile Broadband (UMB) Performance Analysis proposed baseline text	WG3	APPROVED
111	C.P0016-C v1.95 Over-the-Air Service Provisioning of Mobile Stations in Spread Spectrum Standards proposed extended V&V text	WG1	APPROVED
112	C.P0023-C v1.95 Removable User Identity Module for Spread Spectrum Systems proposed extended V&V text	WG1	APPROVED
113	C.P0065-0 v1.8 cdma2000 Application on UICC for Spread Spectrum Systems proposed publication text	WG1	APPROVED R1
114	C.P0066-0 v1.9 Over-the-Air Service Provisioning for MEID-Equipped Mobile Stations in Spread Spectrum Systems proposed publication text	WG1	APPROVED
115	Proposed correspondence to the PMT coordinator regarding Work Plan Questions	WG1	APPROVED R1
116	Proposed correspondence to TSG-S regarding TSG-C status of WI review	WG1	APPROVED
117	Proposed correspondence to ITU-T SG 12 regarding Reply to LS “New Recommendation on Narrowband Hands-Free Communication in Motor Vehicles”	WG1	APPROVED
118	TSG-S Liaison Report – July 2008	TSG-S LIAISON	FYI
119	Correspondence to TSGs dated 24 July 2008 regarding Joint Meeting on Emergency Call Callback	TSG-S	ALL WGs
120	Correspondence to 3GPP SA1 dated 24 July 2008 regarding Enhanced Network Policy Requirements for Common IMS	TSG-S	FYI
121	Correspondence to all TSGs dated 24 July 2008 regarding Review of Current Practice for Numbering of Multi-part Documents – Call for Contributions	TSG-S	ALL WGs
122	Correspondence to all TGSs dated 24 July 2008 regarding the 3GPP2 Vision Document	TSG-S	ALL WGs

<b>NUMBER</b>	<b>SUBJECT</b>	<b>SOURCE</b>	<b>ACTION</b>
123	Correspondence to all TGSs dated 24 July 2008 regarding HRPD Emergency Indication	TSG-A	WG2
124	TIA ballot comments for PN-3-0157 TIA-1038: (C.P0059-0) Signaling Conformance Test Specification for cdma2000 Location Services.	TIA TR45.5	WG4
125	TIA ballot comments for Project Number 3-0322, TIA-1151, ( C.P0091) Signaling Conformance Specification for Ultra Mobile Broadband Air Interface"	TIA TR45.5	WG4
126	TIA ballot comments for Project Number 3-0272.000-AD1-TIA-1121.000-1 (C.P0084-000-0) Overview for Ultra Mobile Broadband (UMB) Air Interface Specification	TIA TR45.5	WG2
127	TIA ballot comments for Project Number 3-0272.002-AD1 - TIA-1121.002-1 (C.P0084-002-0) MAC Layer for Ultra Mobile Broadband (UMB) Air Interface Specification	TIA TR45.5	WG2
128	TIA ballot comments for Project Number 3-0272.003-AD1 - TIA-1121.003-1 (C.P0084-003-0) Radio Link Layer for Ultra Mobile Broadband (UMB) Air Interface Specification	TIA TR45.5	WG2
129	TIA ballot comments for Project Number 3-0272.004-AD1 - TIA-1121.004-1 (C.P0084-004-0) Application Layer for Ultra Mobile Broadband (UMB) Interface Specification	TIA TR45.5	WG2
130	TIA ballot comments for Project Number 3-0272.001-AD1 - TIA-1121.001-1 (C.P0084-001-0) Physical Layer for Ultra Mobile Broadband (UMB) Air Interface Specification	TIA TR45.5	WG3

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3GPP2 QUORUM ROLL CALL  
 TSG-C (cdma2000 Air Interface)  
 Orlando, FL, USA  
 25-Jul-08

INDIVIDUAL MEMBER COMPANY	Attendance	Attendance	Consec Mtgs Missed	Voting Status	Quorum Status	Voting Status	Quorum Status
	7/21/2008	7/25/2008	Including this Mtg	This Meeting	This Meeting	Next Meeting*	Next Meeting*
AGILENT TECHNOLOGIES	1		0	0	0	1	0
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
DOCOMO US LABORATORIES			1	1	1	1	1
ERICSSON	1		0	1	1	1	1
GEMALTO			1	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	0	0	0	0
MOBILE SATELLITE VENTURES			1	1	1	1	1
MOTOROLA	1		0	1	1	1	1
NEC	1		0	1	1	1	1
NOKIA SIEMENS NETWORK		1	0	0	0	1	1
NORTEL NETWORKS	1		0	1	1	1	1
QUALCOMM	1		0	1	1	1	1
RESEARCH IN MOTION	1		0	0	0	1	0
RITT			2	1	1	1	1
ROHDE & SCHWARZ		1	0	1	1	1	1
SAMSUNG	1		0	1	1	1	1
SIERRA WIRELESS			2	1	1	1	1
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			2	1	1	1	1
ZTE	1		0	1	1	1	1
<b>TOTALS</b>	<b>17</b>	<b>2</b>		<b>26</b>	<b>26</b>	<b>30</b>	<b>27</b>
<b>QUORUM CALCULATION</b>	<b>65%</b>	<b>8%</b>					
<b>ADDITIONS</b>							
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.