Title:		
	APPROVED SUMMARY OF TSG-C	MEETING
	for 16-20 June 2008 in Cancun, N	Mexico
Source:		
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Abstract:		
This document is a sumr 16-20 June 2008 in Canc	nary of the 3GPP2 TSG-C meetings that working that working that working the second secon	were held during the period of
Recommendations:		
For review and approval		
Notice:		
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1 During the period of 16-20 June 2008, 3GPP2 TSG-C meetings were held at the JW Marriott/Marriott

- 2 Casamagna Resort in Cancun, Mexico. This document is intended to summarize those proceedings.
- 3

4 **OPENING PLENARY**

- CALL TO ORDER AND OPENING REMARKS: The meeting was called to order on
 16 June 2008 at 8:46 AM local time by TSG-C Chair, Dennis Gentzler (Alltel).
- The Chair welcomed everyone to Cancun, Mexico. The Chair requested all participants to sign
 in on the 3GPP2 LAN.
- 9 2. ATTENDANCE REGISTRATION AND ROLL CALL: A roll call of companies indicated
 10 that 20 companies included on the list of 27 active quorum members were present (74%
 11 participation). Thus, meeting quorum was achieved.
- 12 The Secretary noted that no proxy statements had been received for this meeting.
- 13 The Secretary summarized the following activities for the week:

14 15	•	Monday 3:30-5:00 PM	TSG-C WG1 hosted with TSG-S regarding UMB Enhancement
16 17	•	Tuesday 12:00-1:00 PM	PMT hosted with all TSGs regarding 3GPP2 Drafting Rules
18	•	Wednesday 7:30-8:30 AM	TSG-C Chair's Team meeting
19	•	Wednesday 12:30-1:30 PM	3GPP2 hosted lunch in the Gustino Restaurant.
20 21	•	Wednesday 1:30-2:30 PM	WG2 hosted by TSG-X PDS regarding PPP-Free for eHRPD
22	•	Thursday 5:00-7:00 PM	SC participants review of 3GPP2 Workshop summary
23	•	Friday 8:00-8:30 AM	TSG-C Chair's Team meeting

- INTRODUCTION AND NUMBERING OF CONTRIBUTIONS: Contributions were loaded
 onto the 3GPP2 LAN server and listed in the document register (C00-20080616- 000).
- 4. **AGENDA APPROVAL:** The proposed agenda (C00-20080616-001) was presented.
- 27 DECISION: The agenda was approved without objection as submitted (C00-20080616-001).
- 28 The Chair noted the following meeting objectives for this session:
- On-going UMB activities
 - Review of SC Workshop Report with respect to priorities for work in TSG-C
- HRPD Enhancement activities
- ASSIGNMENTS OF CONTRIBUTIONS TO AGENDA ITEMS: Contributions were
 assigned to agenda items as noted on the agenda.

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1 2 3	6.	APPROVAL OF PREVIOUS MEETING SUMMARY: The summary of the TSG-C meeting for May 2008 that was held in Osaka, Japan (C00-20080616-002) was presented. DECISION: This meeting summary was approved without objection as submitted (C00-20080616-002).
4 5 6	7.	REVIEW OF OUTSTANDING ACTIONS FROM PREVIOUS MEETING: The action items from the May 2008 face-to-face meeting and interim Plenary conference call were noted as follows:
7 8		071203-001 WGs should review their ToRs to make sure they are consistent with the new TSG-C ToR. Final input from WG4 is still outstanding.
9		This action held open until closing plenary.
10 11		080512-001 Consideration for publication of Preliminary UMB Performance Report (C00- 20080421-002) as C.R0094-0 v1.0 was deferred to the June 2008 meeting.
12		This action held open until closing plenary.
13	8.	LIAISON REPORTS:
14		• OP: No contributions or discussion.
15		• SC: The following contributions were discussed:
16 17		• 3GPP2 Workshop meeting report for May 2008 in Osaka, Japan (C00-20080616- 038) was presented from the 3GPP2 Workshop Secretary.
18 19		• The Initial 3GPP2 Workshop Report (C00-20080616-040) was presented from the 3GPP2 Workshop Secretary.
20 21 22		ACTION: These contributions were remanded to all WGs and AdHocs for review and comment with comments to be coordinated by WG1 for consideration at closing Plenary.
23		• 3GPP2 SECRETARIAT: The following contributions were discussed:
24 25 26 27		• E-mail correspondences regarding SC level review and approval of C.S0032-B v1.0 Recommended Minimum Performance Standards for cdma2000 High Rate Packet Data Access Network (C00-20080616-008) was presented from the 3GPP2 Secretariat as FYI for TSG-C.
28 29 30 31		• E-mail correspondences regarding SC level review and approval of C.S0033-B v1.0 Recommended Minimum Performance Standards for cdma2000 High Rate Packet Data Access Terminal (C00-20080616-009) was presented from the 3GPP2 Secretariat as FYI for TSG-C.
32 33 34 35		• E-mail correspondence dated 19 May 2008 regarding V&V review of C.P0016-C v1.9 Over-the-Air Service Provisioning of Mobile Stations in Spread Spectrum Systems (C00-20080616-010) was presented from the 3GPP2 Secretariat as FYI for TSG-C.
36 37 38		• E-mail correspondence dated 19 May 2008 regarding V&V review of C.P0023-C v1.8 Removable User Identity Module for Spread Spectrum Systems (C00-20080616-011) was presented from the 3GPP2 Secretariat as FYI for TSG-C.

1 2 3		• E-mail correspondence dated 19 May 2008 regarding V&V review of C.P0065-0 v1.8 cdma2000 Application on UICC for Spread Spectrum Systems (C00-20080616-012) was presented from the 3GPP2 Secretariat as FYI for TSG-C.
4 5 6 7		• E-mail correspondence dated 19 May 2008 regarding V&V review of C.P0066-0 v1.8 Over-the-Air Service Provisioning for MEID-Equipped Mobile Stations in Spread Spectrum Systems (C00-20080616-013) was presented from the 3GPP2 Secretariat as FYI for TSG-C.
8 9 10 11		• E-mail correspondence dated 19 May 2008 regarding V&V review of C.P0093-0 v0.1 Highly Detectable Pilot Specification for the cdma2000 High Rate Packet Data Air Interface (C00-20080616-014) was presented from the 3GPP2 Secretariat as FYI for TSG-C.
12 13 14 15		• E-mail correspondence dated 19 May 2008 regarding V&V extension for C.P0057-C v0.1 Band Class Specification for cdma2000 Spread Spectrum Systems (C00-20080616-015) was presented from the 3GPP2 Secretariat as FYI for TSG-C.
16 17		• 3GPP2 Workshop press release (C00-20080616-016) was presented from the 3GPP2 Secretariat as FYI for TSG-C.
18 19 20 21		• E-mail correspondence dated 5 June 2008 regarding C.S0033-B v1.0 Final Pub Text (C00-20080616-018) was presented from the 3GPP2 Secretariat. ACTION: This contribution was remanded to WG4 for review and action as appropriate.
22 23 24	•	TSG-A: Correspondence dated 15 May 2008 regarding Emergency Services Support Over HRPD Networks (C00-20080616-005) was presented from TSG-A. ACTION: This contribution was remanded to WG2 for review and action as appropriate.
25	•	TSG-S: The following contributions were discussed:
26 27		• Updated TSG-S Liaison Report for May 2008 in Osaka (C00-20080616-020) was presented from the TSG-S Liaison as FYI for TSG-C.
28 29 30		• TSG-S Document Status Table for May 2008 (C00-20080616-003) was presented from TSG-S. ACTION: This contribution was remanded to all WGs and AdHocs as FYI.
31 32 33 34		• Correspondence dated 15 May 2008 regarding Proposed Work Item Review (C00-20080616-004) was presented from TSG-S. ACTION: This contribution was remanded to all WGs and AdHocs for review and comment with comments to be coordinated by WG1.
35	•	TSG-X: The following contributions were discussed:
36 37 38		• Correspondence dated 15 May 2008 regarding Review Items (C00-20080616- 006) was presented from TSG-X. ACTION: This contribution was remanded to WG1 for review and action as appropriate.

1 2 3		• Correspondence to the 3GPP2 SC Chair and all TSGs dated 15 May 2008 regarding TSG-X September 2008 Meeting (C00-20080616-007) was presented from TSG-X as FYI for TSG-C.
4 5 6 7		ACTION: If any participants have comments on the need for a TSG-C meeting in September 2009, those comments should be provided to their respective WG Chairs by COB on Tuesday for discussion at the TSG-C Chair's Team meeting on Wednesday AM.
8	•	TR45: No contributions or discussion.
9	•	ITU: The following contributions were discussed:
10 11 12 13		• Reply LS to 3GPP2 TSG-C dated 2 May 2008 on potential interoperability Annex to EV-VBR with EVRC-WB (C00-20080616-017) was presented from ITU-T SG16. ACTION: This contribution was remanded to WG1 for review and action as appropriate.
14 15 16 17		• LS dated 30 May 2008 regarding New Recommendation on Narrowband Hands- Free Communication in Motor Vehicles (C00-20080616-022) was presented from ITU-T SG12. ACTION: This contribution was remanded to WG1 for review and action as appropriate.
18 19 20 21		• LS dated 30 May 2008 regarding Information about the results of the Round Robin test: Acoustic Impedance of human and artificial Ear (C00-20080616-023) was presented from ITU-T SG12. ACTION: This contribution was remanded to WG1 for review and action as appropriate.
22 23 24 25		• LS dated 30 May 2008 regarding derivation of voice circuit-switched voice quality from non-intrusive radio transmission parameter analysis (C00-20080616-024) was presented from ITU-T SG12. ACTION: This contribution was remanded to WG1 for review and action as appropriate.
26	•	CDG: No contributions or discussion.
27	•	OMA: No contributions or discussion.
28	•	3GPP/ETSI: The following contributions were discussed:
29 30 31 32		• An LS dated 5 June 2008 regarding Freeze of Stage 2 Specifications of the Evolved Packet System in 3GPP (C00-20080616-019) was presented from 3GPP SA. ACTION: This contribution was remanded to all WG2 for review and action as appropriate and to all other WGs s as FYI.
33	•	Other: No contributions or discussion.

9.	WORKING GROUP REPORTS:
	• WG1 REPORT: A verbal report of WG1 activities was presented by WG1 Chair, Doug Dunn (Kyocera), as FYI.
	WG1 will poll the other WGs to see whether the review of the remanded 3GPP2 Workshop information can be scheduled for Wednesday evening or Thursday AM.
	WG1 also needs to be prepared to discuss SWG1.1 leadership at the TSG-C Chair's meeting on Wednesday.
	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.
	DECISION: The following documents were approved without objection as baseline text and remanded back to WG2 for R&F:
	• C.P0084-000-0 v2.7 Overview for Ultra Mobile Broadband (UMB) Air Interface Specification (C00-20080616-029)
	• C.P0084-002-0 v2.7 Medium Access Control Layer For Ultra Mobile Broadband (UMB) Air Interface Specification (C00-20080616-030)
	• C.P0084-003-0 v2.7 Radio Link Layer for Ultra Mobile Broadband (UMB) Air Interface Specification (C00-20080616-031)
	• C.P0084-004-0 v2.7 Application Layer for Ultra Mobile Broadband (UMB) Air Interface Specification (C00-20080616-032)
	• C.P0084-005-0 v2.7 Security Functions for Ultra Mobile Broadband (UMB) Air Interface Specification (C00-20080616-033)
	• C.P0084-006-0 v2.7 Connection Control Plane for Ultra Mobile Broadband (UMB) Air Interface Specification (C00-20080616-034)
	• C.P0084-007-0 v2.7 Session Control Plane for Ultra Mobile Broadband (UMB) Air Interface Specification (C00-20080616-035)
	• C.P0084-008-0 v2.7 Route Control Plane for Ultra Mobile Broadband (UMB)
	Air Interface Specification (C00-20080616-036)
	• C.P0084-009-0 v2.7 Broadcast-Multicast Upper Layer for Ultra Mobile
	Broadband (UMB) Air Interface Specification (C00-20080616-037)
	• WG3 REPORT: A verbal report of the WG3 activities was presented by WG3 Vice-
	Chair, Anthony Soong (Huawei), as FYI.
	DECISION: C.P0084-001-0 Physical Layer for Ultra Mobile Broadband (UMB) Air Interface Specification (C00-20080616-021) was approved without objection as
	baseline text and remanded back to WG3 for R&F.
	9.

- WG4 REPORT: A verbal report of the WG4 activities was presented by the TSG-C 1 • Chair as FYI 2 No actions were requested of the Plenary at this time. 3 NTAH REPORT: A verbal report of NTAH activities was presented by NTAH Chair, 4 • Anthony Soong (Huawei), as FYI. 5 No actions were requested of the Plenary at this time. 6 7 ITU REPORT: No report. • 10. **OLD BUSINESS:** The following contributions were discussed: 8 Proposed WI for Enhancement of the cdma2000 1x System (C00-20080616-027) was 9 presented from Airvana, Huawei, KDDI, LG Telecom, Motorola, NEC, Nortel, 10 Qualcomm, Samsung, SK Telecom, Sprint, US Cellular, and ZTE. 11 The WG1 Chair noted that WI proposals must be written regarding features to be added 12 and not specifically to generate a new document revision. This issue will be considered 13 in WG1 deliberations... 14 ACTION: This contribution was remanded to WG1 for review and action as 15 appropriate. 16 Proposed Revision of Recommendation of ITU R M.1801 (C00-20080616-026) was 17 • presented from Qualcomm. ACTION: This contribution was remanded to WG3 and 18 the ITU AdHoc for review and comment with comments to be coordinated by the 19 ITU AdHoc no later than the closing session of the July 2008 meeting in Orlando. 20 11. ITU PROCESS/APPROVAL: No contributions or discussion. 21 12. 22 **NEW BUSINESS:** A contribution regarding Proposed Enhancements for cdma2000 1x (C00-20080616-028) was presented from Qualcomm as FYI for TSG-C. 23 This session was recessed on 16 June 2008 at 10:42 PM local time. 24
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27 CLOSING PLENARY:

- The meeting was reconvened on Friday 20 June 2008 at 6:07 PM local time by TSG-C Chair, Dennis Gentzler (Alltel).
- 30 Quorum was established at the opening Plenary and not challenged at this time. Two (2) additional
- 31 3GPP2 individual member companies were noted in attendance.

1	13.	WORKING GROUP REPORTS:
2 3		• WG1 REPORT: The WG1 report (C00-20080616-101) was presented by Praveen Venkataramu, (Gemalto), as FYI.
4 5 6		 Documents Being Proposed for SC Level Review: C.P0055-A Packet Switched Video Telephony Services (PSVT/MCS) (to be published as C.S0055-A)
7		• Documents Being Released to Resolve TIA Legal comments: NONE
8		• Documents Being Proposed for V&V: NONE
9		• Documents Being Proposed for Baseline: NONE
10 11 12 13 14 15 16 17 18		 Also progressed the development of the following: C.S0022 Position Determination Service for cdma2000 Spread Spectrum Systems C.P0016-D Over-the-Air Service Provisioning of Mobile Stations in Spread Spectrum Standards C.P0023-C Removable User Identity Module for Spread Spectrum Systems C.P0065-0 cdma2000 Application on UICC for Spread Spectrum Systems (to be published as C.S0065-0 v2.0)
19 20 21		• An error was made in assigning C.P0094 to the Preliminary Ultra Mobile Broadband Performance Analysis in the May meeting. The previously assigned C.R0094-0 v1.0 was changed as indicated below:
		Title Assigned TSG-C Doc No.
		Preliminary Ultra Mobile Broadband (UMB) Performance Analysis C.R1012-0 v1.0
22 23		• WG1 had no comments and no comments were received from the other working groups regarding contributions related to the SC Workshop held in Osaka.
24 25 26		• WG1 generated comments on SC.P1005-0 v0.7 Drafting Rules Document and have provided them to plenary. No comments were received from the other working groups.
27 28 29 30		• As of 31 May 2008, Frank Corcoran's resignation as the SWG1.1 Chair became effective. WG1 will miss Frank and his contributions to SWG1.1 and WG1. With his absence, the structure of the SWGs is being reviewed for work moving forward.
31 32 33		• The framework for the position determination specification was approved. All of the terrestrial location determination contributions were approved for incorporation into the working draft of the document.

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1 2 3 The schedule for C.P0087-0 v1.0 Inter-Working Specification for cdma2000 1x, High Rate Packet Data and Long Term Evolution was discussed. Consensus was reached on the following schedule:

Item	Milestones
Call for contributions	12 May 2008 (Completed)
Stage 2 Proposal Cutoff	19 June 2008 (Completed)
Complete Stage 2 Decisions	24 July 2008
Stage 3 Text Development (overlaps with Stage 2)	23 June – 19 September 2008
Baseline	22 September 2008 [*]
End R&F Approve for V&V	26 September 2008 [*]
V&V Comments Due	31 October 2008 [*]
Resolve V&V Comments	3 November – 4 December 2008 [*]
Publication	05 December 2008

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24 25 DECISION: The following TSG-C WIs (C00-20080616-101A) were approved without objection and liaised to the TSG-S PMT for processing as 3GPP2 WIs:

Title	Assigned TSG-C WI No.
NONE	

DECISION: C.P0055-A Packet Switched Video Telephony Services (PSVT/MCS) (C00-20080616-110) was approved without objection for publication as C.S0055-A v1.0. This contribution was also liaised to TIA TR45.5.

DECISION: Proposed correspondence to TSG-S regarding the status of WI review (C00-20080616-111R1) was approved without objection for transmission.

DECISION: Proposed correspondence to TSG-S regarding the status of Stage 1 review in TSG-C (C00-20080616-112) was approved without objection for transmission.

DECISION: Proposed comments on the 3GPP2 drafting rules (C00-20080616-145) were approved without objection for transmission to the 3GPP2 WPD AdHoc.

- WG2 REPORT: The WG2 report (C00-20080616-102R1) was presented by the WG2
 Chair, Orlett Pearson (Alcatel-Lucent), as FYI.
 - Progressed the work on the following documents to recommend for V&V release:
 - C.P0084-000 Overview for Ultra Mobile Broadband (UMB) Air Interface Specification.
 - C.P0084-002 Medium Access Control Layer for Ultra Mobile Broadband (UMB) Air Interface Specification.
 - C.P0084-003 Radio Link Layer for Ultra Mobile Broadband (UMB) Air Interface Specification.

1	• C.P0084-004 Application Layer for Ultra Mobile Broadband (UMB) Air
2	Interface Specification.
3	• C.P0084-005 Security Functions for Ultra Mobile Broadband (UMB) Air
4	Interface Specification.
5	• C.P0084-006 Connection Control Plane for Ultra Mobile Broadband
6 7	 (UMB) Air Interface Specification. C.P0084-007 Session Control Plane for Ultra Mobile Broadband (UMB)
8	Air Interface Specification.
9	• C.P0084-008 Route Control Plane for Ultra Mobile Broadband (UMB) Air
10	Interface Specification.
11	• C.P0084-009 Broadcast-Multicast Upper Layer for Ultra Mobile
12	Broadband (UMB) Air Interface
13	• Based on discussion within WG1, WG2 will continue with the Inter-working
14 15	schedule as proposed in C00-20080512-111. We are on target since most of the Inter-working Stage 2 contributions were agreed to this week.
16	• September 2008 meeting. Based on the fact that there is sufficient work in WG2,
17	the members thought it necessary to meet in September. Current work include:
18 19	UMB, HRPD Enhancements, Priority Services, Inter-working and 1x Advanced. This action was reported in the TSG-C Chairs meeting.
20 21	• Approved two new Protocol IDs to be added in C.R1001 for differentiation of the protocol types for PPP free or PPP involved operations.
	The Chair thanked the WG2 participants for their long hours this meeting cycle.
22	
23 24	DECISION: The following contributions were all approved without objection for V&V review by the 3GPP2 OPs and all TSG participants with comments due on or
25	before 23 July 2008. These contributions were also liaised to TIA TR45.5.
26 27	• C.P0084-000 Overview for Ultra Mobile Broadband (UMB) Air Interface Specification (C00-20080616-118)
28	C.P0084-002 Medium Access Control Layer for Ultra Mobile Broadband
29	(UMB) Air Interface Specification (C00-20080616-119)
30	• C.P0084-003 Radio Link Layer for Ultra Mobile Broadband (UMB) Air
31	Interface Specification (C00-20080616-120)
32	• C.P0084-004 Application Layer for Ultra Mobile Broadband (UMB) Air
33	Interface Specification (C00-20080616-121)
34	• C.P0084-005 Security Functions for Ultra Mobile Broadband (UMB) Air
35	Interface Specification (C00-20080616-122)
36	• C.P0084-006 Connection Control Plane for Ultra Mobile Broadband (UMB)
37	Air Interface Specification (C00-20080616-123)
38	• C.P0084-007 Session Control Plane for Ultra Mobile Broadband (UMB) Air
39	Interface Specification (C00-20080616-124)

1 2	• C.P0084-008 Route Control Plane for Ultra Mobile Broadband (UMB) Air Interface Specification (C00-20080616-125)
3 4	• C.P0084-009 Broadcast-Multicast Upper Layer for Ultra Mobile Broadband (UMB) Air Interface (C00-20080616-126)
5 6 7	DECISION: Proposed updated correspondence is provided for TSG-X regarding PPP-Free on eHRPD (C00-20080616-127) was approved without objection for transmission.
8 9 10	DECISION: Proposed correspondence to TSG-A regarding Emergency Services Support over HRPD Networks (C00-20080616-128) was approved without objection for transmission.
11 • 12	WG3 REPORT: The WG3 report (C00-20080616-103) was presented by WG3 Chair, Ed Tiedemann (Qualcomm), as FYI.
13 14	 Documents being recommended for V&V review: C.P0084-001-0 v2.9 UMB PHY
15 16	• WG3 held R&F activities on the UMB point release. All R&F comments have now been resolved.
17 18 19 20 21 22 23	• EMAH (Evaluation Methodology AdHoc) met on Wednesday morning mainly for the UMB performance evaluations. One of the contributions is the summary of all the simulation results provided from KDDI for the calibration phase. The other one is a joint contribution from KDDI and Qualcomm to show actual performances of UMB for the full-buffer traffic in RL. The actual performance results from the two companies show quite similar results except one, which will be caused by differences of the detail scheduler implementations
24 25 26	• WG3 received one contribution on TDD at the meeting. The deadline for component proposals has now passed and the Working Group will resolve all component proposals by next meeting.
27 28 29 30	• WG3 received three contributions on 1x enhancements. These contributions proposed enhancing 1x by adding smart blanking, reducing power control rate and adding early termination. The Working group addressed these contributions and action items were assigned.
31 32 33	• WG3 received two FYI contributions on enhancement for HRPD. These contributions suggest improving the control channel capacity and enhancing HRPD for machine to machine communication.
34 35 36 37 38	• WG3 discussed Plenary Action 080512-001: Consideration for publication of Preliminary UMB Performance Report (C00-20080421-002) as C.R0094-0 v1.0 and decided that 3GPP2 should publish the report. WG3 would like to clarify the document number for the report. The WG3 chair clarified that the document number should be C.R1012.

1 2 3 4	The Chair noted that Satoshi Konishi (KDDI) has resigned from his position as the WG3 EMAH Vice-Chair. The Chair expressed the gratitude of the TSG for all of Satoshi's efforts and noted that Satoshi had been presented with an award of merit during the WG3 meetings this week.
5 6 7 8	DECISION: C.P0084-001-0 v2.9 UMB PHY (C00-20080616-108) was approved without objection for V&V review by the 3GPP2 OPs and all TSG participants with comments due on or before 23 July 2008. This contribution was also liaised to TIA TR45.5.
9 10	• WG4 REPORT: The WG4 report (C00-20080616-104) was presented by Kurt Schmidt (Spirent) as FYI.
11	• Work continues on UMB MPS specifications.
12 13	• WG4 has evaluated their ToR and determined that no changes are required at this time.
14 15 16	DECISION: C.P00xx-0 v0.70 Signaling Conformance Specification for 1x/HRPD Interworking (C00-20080616-113) was approved without objection as baseline text and remanded back to WG4 for R&F.
17 18 19	DECISION: C.P0038-B v0.7 Signaling Conformance Specification High Rate Packet Data Air Interface (C00-20080616-114) was approved without objection as baseline text and remanded back to WG4 for R&F.
20 21 22 23	DECISION: C.P0059-0 v0.8 Signaling Conformance Specification for Location Based Services (C00-20080616-115) was approved without objection for V&V review by the 3GPP2 OPs and all TSG participants with comments due on or before 23 July 2008. This contribution was also liaised to TIA TR45.5.
24 25 26 27	DECISION: C.P0091-0 v0.8 Signaling Conformance Specification for Ultra Mobile Broadband Air Interface (C00-20080616-116) was approved without objection for V&V review by the 3GPP2 OPs and all TSG participants with comments due on or before 23 July 2008. This contribution was also liaised to TIA TR45.5.
28 29 30 31	DECISION: WG4 Project Number Request for Signaling Conformance Specification for 1x/HRPD Inter-working (C00-20080616-117) was approved without objection. ACTION: This contribution was remanded to WG1 for review and action as appropriate.
32 33	• NTAH REPORT: The NTAH report (C00-20080616-105) was presented by the NTAH Chair, Anthony Soong (Huawei), as FYI.
34 35 36	• NTAH review the 3GPP2 Special Workshop on Future Direction and IMT- Advanced meeting summary and initial report. All comments were communicated to the Workshop Secretary.
37 38 39 40	• NTAH addressed a contribution on network coding and relay. Currently NTAH has the following technologies under discussion: network MIMO, cooperative MIMO, layer modulation, orthogonal space time multiple access, zero forcing beam forming multi-user MIMO and cell coordinated multiple antenna scheme.

1 2 3 4			• NTAH has issued a call for contributions on time line and milestones for next generation development as well as technology proposals. NATH is planning to have all framework proposals on UMB enhanced submitted by the August 2008 face-to-face meeting.
5			No actions were requested from Plenary at this time.
6 7		•	ITU ADHOC REPORT: DID NOT MEET
8	14.	LIA	ISON REPORTS:
9		•	OP: No contributions or discussions.
10		•	SC: No contributions or discussions.
11 12 13		•	3GPP2 SECRETARIAT: E-mail correspondence dated 19 June 2008 regarding September 2008 meeting funding (C00-20080616-144) was presented from the 3GPP2 Secretariat as FYI for TSG-C.
14 15			The Chair noted that he would inform the Secretariat that WG2 will be meeting in September 2008 and that WG3 may also need to meet.
16 17 18		•	TSG-A: Correspondence to the 3GPP2 Secretariat and 3GPP2 WPD AdHoc dated 16 June 2008 regarding SC.P1005-0 v0.7 Drafting Rules (C00-20080616-107) was presented from the 3GPP2 Secretariat as FYI for TSG-C.
19		•	TSG-S: The following contributions were discussed:
20 21			• The TSG-S Liaison Report for February 2008 (C00-20080616-133) was presented from the TSG-S Liaison as FYI for TSG-C.
22 23 24 25			• Correspondence to all TSGs dated 19 June 2008 regarding comments on S.P0134-0 Evolution of UMB SRD (C00-20080616-134) was presented from TSG-S. ACTION: This contribution was remanded to all WGs and AdHocs for review and comment with comments to be coordinated by WG1.
26 27 28 29			• Correspondence to TSG-A dated 19 June 2008 regarding comments on S.P0136 System Requirements for MSC Pool (C00-20080616-135) was presented from TSG-S. ACTION: This contribution was remanded to WG1 for review and action as appropriate.
30 31 32 33			• Correspondence to TSG-X dated 19 June 2008 regarding comments on S.P0136 System Requirements for MSC Pool (C00-20080616-136) was presented from TSG-S. ACTION: This contribution was remanded to WG1 for review and action as appropriate.
34 35 36 37			• Correspondence to the 3GPP2 SC Chair dated 19 June 2008 regarding Update to SC.R2005-002-0 v2.0 UMB-1 Release (C00-20080616-137) was presented from TSG-S. ACTION: This contribution was remanded to WG1 for review and action as appropriate and all WGs and AdHocs as FYI.

1 2 3 4 5	• Correspondence to the 3GPP2 SC Chair dated 19 June 2008 regarding Proposed Update to 3GPP2 Vision Document, SC.R5001-A (C00-20080616-138) was presented from TSG-S. ACTION: This contribution was remanded to all WGs and AdHocs for review and comment with comments to be coordinated by WG1.
6 7 8 9 10	• Correspondence to TSG-C dated 19 June 2008 regarding clarification of open workplan questions with respect to WI 000091 & WI 00208 (C00-20080616-139) was presented from TSG-S. ACTION: This contribution was remanded to all WGs and AdHocs for review and comment with comments to be coordinated by WG1.
11 12 13 14	• Correspondence to the 3GPP2 WPD Convener dated 19 June 2008 regarding SC.P1005-0 Drafting Rules Review (C00-20080616-140) was presented from TSG-S. ACTION: This contribution was remanded to all WGs and AdHocs as FYI.
15 16 17 18 19	• Correspondence to all TSGs dated 19 June 2008 regarding Review of Revisions and Versions currently under Development and Supporting Work Items post- UMB1 Release Work Planning Action (C00-20080616-141) was presented from TSG-S. ACTION: This contribution was remanded to all WGs and AdHocs for review and comment with comments to be coordinated by WG1.
20 21 22	• Correspondence to TSG-A and TSG-C dated 19 June 2008 regarding HRPD key derivation (C00-20080616-142) was presented from TSG-S. ACTION: This contribution was remanded to WG2 for review and action as appropriate.
23 •	TSG-X: No contributions or discussions.
24 •	TIA: The following contributions were discussed:
25 26 27 28	• TIA ballot comments regarding PN 3-0144-RV3-1 (C.P0057-C) "Band Class Specification for cdma2000 [®] Spread Spectrum Systems" (C00-20080616-129) was presented from TIA TR45.5. ACTION: This contribution was remanded to WG3 for review and action as appropriate.
29 30 31 32 33	• TIA ballot comments regarding PN 3-0180-AD1 (C.P0066-0) "Over-the-Air Service Provisioning for MEID-Equipped Mobile Stations in Spread Spectrum Systems" (C00-20080616-130) was presented from TIA TR45.5. ACTION: This contribution was remanded to WG1 for review and action as appropriate.
34 35 36 37	• TIA ballot comments regarding PN 3-4690-RV3-AD1 (C.P0023-C) "Removable User Identity Module for Spread Spectrum Systems" (C00-20080616-131) was presented from TIA TR45.5. ACTION: This contribution was remanded to WG1 for review and action as appropriate.
38 39 40 41	• TIA ballot comments regarding PN 3-4742-RV4-AD1 (C.P0016-C) "Over-the- Air Service Provisioning of Mobile Stations in Spread Spectrum Systems" (C00- 20080616-132) was presented from TIA TR45.5. ACTION: This contribution was remanded to WG1 for review and action as appropriate.

- 1 ITU: No contributions or discussions.
- 2 CDG: No contributions or discussions.
- 3 3GPP: No contributions or discussions.
- OTHER: No contributions or discussions.
- 5 15. OLD BUSINESS (continued): Proposed WI for LTE/HRPD Interworking Signaling
 Conformance Specification (C00-20080616-109) was presented from Alcatel-Lucent, Kyocera,
 and Spirent. ACTION: This contribution was remanded to WG1 for review and action as
 appropriate.
- 9 16. **NEW BUSINESS (continued):** No contributions or discussions.

10 17. FUTURE MEETING SCHEDULE:

21-25 July 2008	Ritz-Carlton Orlando Grande Lakes in Orlando, FL, USA
25-29 August 2008	Hyatt Regency Vancouver in Vancouver, BC, Canada
27-31 October 2008	Sheraton Grande WalkerHill Hotel in Seoul, Korea

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- 12 18. **OPEN DISCUSSION AND OTHER BUSINESS:** No contributions or discussions.
- 13 19. ASSIGNMENTS: The open action items, other than standard document remands, are noted
 below:
- 15 NONE
- 16 20. ADJOURNMENT: The Plenary was adjourned on 20 June 2008 at 9:56 AM local time.

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	156-C Meeting Summary –10-20 June 2000 50	112-000-20070721-002	Page 16 of 16
NUMBER	SUBJECT	SOURCE	ACTION
OPENING F	PLENARY – C00-20080616-	·	
000	DOCUMENT REGISTER	SECRETARY	FYI
001	AGENDA	CHAIR	APPROVED
002	TSG-C Meeting Summary - May 2008 – Osaka, Japan	SECRETARY	APPROVED
003	TSG-S Document Status Table – May 2008	TSG-S	All WGs and AdHocs
004	Correspondence dated 15 May 2008 regarding Proposed Work Item Review	TSG-S	All WGs and AdHocs
005	Correspondence dated 15 May 2008 regarding Emergency Services Support Over HRPD Networks	TSG-A	WG2
006	Correspondence dated 15 May 2008 regarding Review Items	TSG-X	WG1
007	Correspondence to the 3GPP2 SC Chair and all TSGs dated 15 May 2008 regarding TSG-X September 2008 Meeting	TSG-X	FYI
008	E-mail correspondences regarding SC level review and approval of C.S0032-B v1.0 Recommended Minimum Performance Standards for cdma2000 High Rate Packet Data Access Network	3GPP2 SECRETARIAT	FYI
009	E-mail correspondences regarding SC level review and approval of C.S0033-B v1.0 Recommended Minimum Performance Standards for cdma2000 High Rate Packet Data Access Terminal	3GPP2 SECRETARIAT	FYI
010	E-mail correspondence dated 19 May 2008 regarding V&V review of C.P0016-C v1.9 Over-the-Air Service Provisioning of Mobile Stations in Spread Spectrum Systems	3GPP2 SECRETARIAT	FYI
011	E-mail correspondence dated 19 May 2008 regarding V&V review of C.P0023-C v1.8 Removable User Identity Module for Spread Spectrum Systems	3GPP2 SECRETARIAT	FYI
012	E-mail correspondence dated 19 May 2008 regarding V&V review of C.P0065-0 v1.8 cdma2000 Application on UICC for Spread Spectrum Systems	3GPP2 SECRETARIAT	FYI
013	E-mail correspondence dated 19 May 2008 regarding V&V review of C.P0066-0 v1.8 Over-the-Air Service Provisioning for MEID- Equipped Mobile Stations in Spread Spectrum Systems	3GPP2 SECRETARIAT	FYI

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NUMBER	SUBJECT	SOURCE	ACTION	
	E-mail correspondence dated 19 May 2008 regarding V&V review of			
014	C.P0093-0 v0.1 Highly Detectable Pilot Specification for the	3GPP2 SECRETARIAT	FYI	
	cdma2000 High Rate Packet Data Air Interface			
	E-mail correspondence dated 19 May 2008 regarding V&V extension			
015	for C.P0057-C v0.1 Band Class Specification for cdma2000 Spread	3GPP2 SECRETARIAT	FYI	
	Spectrum Systems			
016	3GPP2 Workshop press release	3GPP2 SECRETARIAT	FYI	
017	Reply LS to 3GPP2 TSG-C dated 2 May 2008 on potential		WC1	
017	interoperability Annex to EV-VBR with EVRC-WB	SOURCEACT3GPP2 SECRETARIATF3GPP2 SECRETARIATF3GPP2 SECRETARIATF3GPP2 SECRETARIATF1TU-T SG 16W3GPP2 SECRETARIATW3GPP2 SECRETARIATW3GPP2 SECRETARIATW3GPP2 SECRETARIATW3GPP3 SAAll WAdHTSG-S LIAISONFWG3ITU-T SG12WITU-T SG12WOLIAL COMMWG3	WGI	
010	E-mail correspondence dated 5 June 2008 regarding C.S0033-B v1.0	2CDD2 SECDETADIAT		
018	Final Pub Text	3GPP2 SECRETARIAT	WG4	
010	LS dated 5 June 2008 regarding Freeze of Stage 2 Specifications of		All WGs and	
019	the Evolved Packet System in 3GPP	3GPP SA	AdHocs	
020	Updated TSG-S Liaison Report for May 2008 in Osaka	TSG-S LIAISON	FYI	
021	C.P0084-001-0 Physical Layer for Ultra Mobile Broadband (UMB)	NUC2		
021	Air Interface Specification proposed baseline text	SOURCEA3GPP2 SECRETARIAT33GPP2 SECRETARIAT33GPP2 SECRETARIAT1ITU-T SG 1633GPP2 SECRETARIAT43GPP2 SECRETARIAT43GPP2 SECRETARIAT43GPP SA4TSG-S LIAISON4WG3AFITU-T SG121ITU-T SG121ITU-T SG124OLIAL COMMW	APPROVED	
022	LS dated 30 May 2008 regarding New Recommendation on			
022	Narrowband Hands-Free Communication in Motor Vehicles	110-1 SG12	WG1	
022	LS dated 30 May 2008 regarding Information about the results of the			
023	Round Robin test: Acoustic Impedance of human and artificial Ear	SOURCEACTIO3GPP2 SECRETARIATFYI3GPP2 SECRETARIATFYI3GPP2 SECRETARIATFYIITU-T SG 16WG13GPP2 SECRETARIATWG43GPP2 SECRETARIATWG43GPP SAAll WGs3GPP SAAll WGsTSG-S LIAISONFYIWG3APPROVITU-T SG12WG1ITU-T SG12WG1ITU-T SG12WG1OLIALCOMMWG3, IT	WGI	
	LS dated 30 May 2008 regarding derivation of voice circuit-switched			
024	voice quality from non-intrusive radio transmission parameter	ITU-T SG12	All WGs and AdHocs N FYI APPROVED WG1 WG1	
	analysis			
025	WITHDRAWN			
026	Dramond Devicing of Development define of ITU D M 1991		WG3, ITU	
026	Proposed Revision of Recommendation of ITU R M.1801	QUALCOMM	ADHOC	

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NUMBER	SUBJECT	SOURCE	ACTION					
040	Initial 3GPP2 Workshop Report	3GPP2 WORKSHOP	All WGs and					
040	Initial SOFF2 Workshop Report	SECRETARY	AdHocs					
CLOSING P	CLOSING PLENARY – C00-20080616							
101	WG1 Report	WG1	FYI,					
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	NO REPORT					
107	Correspondence to the 3GPP2 Secretariat and 3GPP2 WPD AdHoc dated 16 June 2008 regarding SC.P1005-0 v0.7 Drafting Rules	TSG-A	FYI					
108	C.P0084-001-0 v2.9 UMB PHY proposed V&V text	WG3	APPROVED					
109	Proposed WI for LTE/HRPD Interworking Signaling Conformance Specification	ALCATEL-LUCENT, KYOCERA, AND SPIRENT	WG1 - R1					
110	C.P0055-A Packet Switched Video Telephony Services (PSVT/MCS) proposed publication text	WG1	APPROVED					
111	Proposed correspondence to TSG-S regarding the status of WI review	WG1	APPROVED R1					
112	Proposed correspondence to TSG-S regarding the status of Stage 1 review in TSG-C	WG1	APPROVED					
113	C.P00xx-0 v0.70 Signaling Conformance Specification for 1x/HRPD Inter-working proposed baseline text	WG4	APPROVED					
114	C.P0038-B v0.7 Signaling Conformance Specification High Rate Packet Data Air Interface proposed baseline text	WG4	APPROVED					
115	C.P0059-0 v0.8 Signaling Conformance Specification for Location Based Services proposed V&V text	WG4	APPROVED					
116	C.P0091-0 v0.8 Signaling Conformance Specification for Ultra Mobile Broadband Air Interface proposed V&V text	WG4	APPROVED					
117	WG4 Project Number Request for Signaling Conformance Specification for 1x/HRPD Inter-working	WG4	WG1					
118	C.P0084-000 Overview for Ultra Mobile Broadband (UMB) Air Interface Specification proposed V&V text	WG2	APPROVED					

	156-C Wreeting Summary –10-20 June 2000 561	12-000-20070721-002	Page 20 of 20
NUMBER	SUBJECT	SOURCE	ACTION
119	C.P0084-002 Medium Access Control Layer for Ultra Mobile Broadband (UMB) Air Interface Specification proposed V&V text	WG2	APPROVED
120	C.P0084-003 Radio Link Layer for Ultra Mobile Broadband (UMB) Air Interface Specification proposed V&V text	WG2	APPROVED
121	C.P0084-004 Application Layer for Ultra Mobile Broadband (UMB) Air Interface Specification proposed V&V text	WG2	APPROVED
122	C.P0084-005 Security Functions for Ultra Mobile Broadband (UMB) Air Interface Specification proposed V&V text	WG2	APPROVED
123	C.P0084-006 Connection Control Plane for Ultra Mobile Broadband (UMB) Air Interface Specification proposed V&V text	WG2	APPROVED
124	C.P0084-007 Session Control Plane for Ultra Mobile Broadband (UMB) Air Interface Specification proposed V&V text	WG2	APPROVED
125	C.P0084-008 Route Control Plane for Ultra Mobile Broadband (UMB) Air Interface Specification proposed V&V text	WG2	APPROVED
126	C.P0084-009 Broadcast-Multicast Upper Layer for Ultra Mobile Broadband (UMB) Air Interface proposed V&V text	WG2	APPROVED
127	Proposed updated correspondence is provided for TSG-X regarding PPP-Free on eHRPD	WG2	APPROVED
128	Proposed correspondence to TSG-A regarding Emergency Services Support over HRPD Networks	WG2	APPROVED
129	TIA ballot comments regarding PN 3-0144-RV3-1 (C.P0057-C) "Band Class Specification for cdma2000(r) Spread Spectrum Systems"	TR45.5	WG3
130	TIA ballot comments regarding PN 3-0180-AD1 (C.P0066-0) "Over- the-Air Service Provisioning for MEID-Equipped Mobile Stations in Spread Spectrum Systems"	TR45.5	WG1
131	TIA ballot comments regarding PN 3-4690-RV3-AD1 (C.P0023-C) "Removable User Identity Module for Spread Spectrum Systems"	TR45.5	WG1
132	TIA ballot comments regarding PN 3-4742-RV4-AD1 (C.P0016-C) "Over-the-Air Service Provisioning of Mobile Stations in Spread Spectrum Systems"	TR45.5	WG1
133	TSG-S Liaison Report – June 2008	TSG-S LIAISON	FYI

			Page 21 of 21
NUMBER	SUBJECT	SOURCE	ACTION
134	Correspondence to all TSGs dated 19 June 2008 regarding comments on S.P0134-0 Evolution of UMB SRD	TSG-S	All WGs and AdHocs
135	Correspondence to TSG-A dated 19 June 2008 regarding comments on S.P0136 System Requirements for MSC Pool	TSG-S	WG1
136	Correspondence to TSG-X dated 19 June 2008 regarding comments on S.P0136 System Requirements for MSC Pool	TSG-S	WG1
137	Correspondence to the 3GPP2 SC Chair dated 19 June 2008 regarding Update to SC.R2005-002-0 v2.0 UMB-1 Release	TSG-S	All WGs and AdHocs
138	Correspondence to the 3GPP2 SC Chair dated 19 June 2008 regarding Proposed Update to 3GPP2 Vision Document, SC.R5001-A	TSG-S	All WGs and AdHocs
139	Correspondence to TSG-C dated 19 June 2008 regarding clarification of open workplan questions with respect to WI 000091 & WI 00208	TSG-S	All WGs and AdHocs
140	Correspondence to the 3GPP2 WPD Convener dated 19 June 2008 regarding SC.P1005-0 Drafting Rules Review	TSG-S	All WGs and AdHocs
141	Correspondence to all TSGs dated 19 June 2008 regarding Review of Revisions and Versions currently under Development and Supporting Work Items post-UMB1 Release Work Planning Action	TSG-S	All WGs and AdHocs
142	Correspondence to TSG-A and TSG-C dated 19 June 2008 regarding HRPD key derivation	TSG-S	WG2
143	WIHDRAWN		
144	E-mail correspondence dated 19 June 2008 regarding September 2008 meeting funding	3GPP2 SECRETARIAT	FYI
145	Proposed comments on the 3GPP2 drafting rules	WG1	APPROVED

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3GPP2 QUORUM ROLL CALL

TSG-C (cdma2000 Air Interface)

Cancun, Mexico

20-Jun-08

INDIVIDUAL MEMBER COMPANY	Attendance	Attendance	Consec Mtgs Missed	Voting Status	Quorum Status	Voting Status	Quorum Status
	6/16/2008	6/20/2008	Including this Mtg	This Meeting	This Meeting	Next Meeting*	Next Meeting*
AGILENT TECHNOLOGIES			3	0	0	0	0
AIRCELL			2	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			3	0	0	0	0
DOCOMO US LABORATORIES	1		0	1	1	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
MOBILE SATELLITE VENTURES	1		0	1	1	1	1
MOTOROLA	1		0	1	1	1	1
NEC	1		0	1	1	1	1
NORTEL NETWORKS	1		0	1	1	1	1
QUALCOMM	1		0	1	1	1	1
RESEARCH IN MOTION	· ·		3	1	1	1	1
RITT			1	1	1	1	1
ROHDE & SCHWARZ			2	1	1	1	1
SAMSUNG	1		0	1	1	1	1
SIERRA WIRELESS	· ·	1	1	1	1	1	1
SK TELECOM		· · ·	3	0	0	0	0
SPIRENT COMMUNICATIONS	1		0	1	1	1	1
SPRINT/NEXTEL	1		0	1	1	1	1
VERIZON WIRELESS	1		0	1	1	1	1
VIA TELECOM			1	1	1	1	1
ZTE	1		0	1	1	1	1
TOTALS	20	2	Ŭ	27	27	27	27
QUORUM CALCULATION	74%	7%					
QUORUM CALCOLATION	7 4 /0	1 /0					
ADDITIONS							
LG TELECOM	1						
NOKIA SIEMENS NETWORK	1		4				
NURIA SIEWIENS NETWURK			4				
			4				
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CDC		4	4				
CDG		1	4				
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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.