

**Title:**

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**APPROVED SUMMARY OF 3GPP2 TSG-C MEETINGS**  
for 7-11 June 2004 in Philadelphia, PA, USA

**Source:**

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**Abstract:**

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This document is a summary of the 3GPP2 TSG-C meetings that were held during the period of 7-11 June 2004 in Philadelphia, PA, USA.

**Recommendation:**

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Review and adopt.

**Notice:**

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1 During the period of 7-11 June 2004, 3GPP2 TSG-C meetings were held at the Sofitel  
2 Philadelphia Hotel in Philadelphia, PA, USA. This document is intended to summarize those  
3 proceedings.

4

## 5 OPENING PLENARY

6 1. CALL TO ORDER AND OPENING REMARKS: The meeting was called to order at  
7 8:55 AM local time on 7 June 2004 by TSG-C Chair, BK Yi (LGE).

8 The Chair welcomed everyone to the historic city of Philadelphia, PA, USA.

9 The Chair announced that a TSG-C objectives for this week were to approve baseline text  
10 for the cdma2000 Rev. C addendum and to review potential work items for cdma2000  
11 Rev. E and HPRD Rev. B.

12 2. ATTENDANCE REGISTRATION AND ROLL CALL: A roll call of companies  
13 indicated that 24 companies included on the list of 27 quorum members were present  
14 (89% participation).

15 The Secretary noted that no proxy statements had been received.

16 Gina Dokko of the Wharton School was introduced as a 3GPP2 observer.

17 3. INTRODUCTION AND NUMBERING OF CONTRIBUTIONS: Contributions were  
18 loaded onto the 3GPP2 LAN server and listed in the document register (C00-  
19 20040607-000).

20 4. AGENDA APPROVAL: The proposed agenda (C00-20040607-001) was presented.  
21 **DECISION: The agenda was approved without objection as submitted (C00-  
22 20040607-001).**

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

25 6. APPROVAL OF PREVIOUS MEETING SUMMARY:

- 26 • The summary of the TSG-C meeting for April 2004 that was held in Ceour  
27 d'Alene, ID (C00-20040607-002) was presented. **DECISION: This meeting  
28 summary was approved without objection as modified by the discussion  
29 (C00-20040607-002R1).**
- 30 • The summary of the interim Plenary conference call that was held on 13 May  
31 2004 (C00-20040607-003) was presented. **DECISION: This meeting  
32 summary was approved without objection.**

1 7. REVIEW OF OUTSTANDING ACTIONS FROM PREVIOUS MEETING: The action  
2 items from the April 2004 meeting were noted as follows:

- 3 • A contribution regarding an updated MS Word Template for 3GPP2  
4 specifications (C00-20031208-015R1) from CNP was remanded to all WGs for  
5 review and comment by the closing Plenary of the December 2003 meeting but  
6 inadvertently not considered at that time. At the closing Plenary in April 2004,  
7 WG2 indicated that they do not support this template. WG3 comments are still  
8 outstanding.

9 WG3 will review this contribution this week.

- 10 • WG2 was remanded an action to prepare an industry notice regarding the Class 1  
11 IMSI Usage and Zero Padding issue. At the opening Plenary of the April 2004  
12 meeting, WG2 noted that two (2) additional issues (e.g., MIN1/MIN2 ordering  
13 and the message format regarding secondary F-BCCH) had been identified to be  
14 added to the industry notice being prepared for Class 1 IMSI. At the closing  
15 Plenary of the April 2004 meeting, WG2 indicated that they had one (1)  
16 additional item to consider prior to release of this notice. This action has been  
17 open since February 2004.

18 WG2 plans to complete this action by the closing Plenary.

- 19 • All WGs were also requested to tabulate the currently identified cdma2000  
20 Rev. C bug fixes for consideration by the Plenary.

21 WG2 and WG3 will address this action by the closing Plenary.

- 22 • The Secretary was directed to advise the 3GPP2 Secretariat that C.P0043-0  
23 Signaling Conformance specification should also be included in the list of  
24 documents that will follow the guidelines of the old publication process and are  
25 exempt from the requirements of the new publication process.

26 **DECISION: This action item was closed.**

- 27 • All TSG-C member companies were requested to bring recommendations for  
28 technical WIs to be considered for development in cdma2000 Rev. E to the  
29 opening Plenary of the June 2004 meeting. The Chair noted that CDG had also  
30 been requested for input on this topic.

31 This action item was extended to the next meeting.

- 32 • TSG-C participants were requested to bring Plenary contributions regarding bugs  
33 that are identified in either cdma2000 Rev. D or HRPD Rev. A. The Plenary will  
34 then remand these comments to the WGs in a manner similar to the process  
35 currently used for SDO review comments.

36 This action item was extended to the next meeting.

- 37 • All TSG-C member companies were requested to review all information related to  
38 the new publication process and prepare comments if any by the opening Plenary  
39 of the June 2004 meeting.

40 **DECISION: This action item was closed.**

- The Secretary was requested to forward the approved workplan to the 3GPP2 PMT coordinator.

**DECISION: This action item was closed.**

- TSG-C participants who are interested in joining the WG4 team should contact WG4 leadership to arrange for training. WG4 notes that there is a very high need for personnel to work on the MS MPS documents.

This action item was extended to the closing Plenary.

- The Chair directed that all WGs and their subordinate groups shall work by consensus as required by the WPD. However, whenever polling of any kind is required, the Plenary level voting list (available at the end of this meeting summary) shall be used to qualify the companies that can participate in that polling. The only exception to this qualification requirement is that representatives of companies that are members of 3GPP2 SDOs but not members of 3GPP2 shall be able to directly participate in WG polling and related decision making processes only for the purpose of 3GPP2 resolution of SDO comments.

This action remains open but will be removed from the open item tracking list.

8. CORRESPONDENCE: None.

9. LIAISON REPORTS:

- OP MEETING: No contributions.
- SC: A notice of the CDMA450 Evolution Seminar: Technical Issues Related to 3GPP2 Specifications (C00-20040607-025) was presented. **ACTION: This contribution was remanded to WG3 as FYI.**
- 3GPP2 SECRETARIAT: The following contributions were discussed:
  - E-mail correspondences regarding SC level review and approval of C.S0014-A v1.0 - Enhanced Variable Rate Codec, Speech Service Option 3 for Wideband Spread Spectrum Digital Systems (C00-20040607-010) were presented as FYI.
  - E-mail correspondences regarding SC level review and approval of C.S0015-B v1.0 - Short Message Service (SMS) For Wideband Spread Spectrum Systems (C00-20040607-011) were presented as FYI.
  - E-mail correspondences regarding SC level review and approval of C.S0020-A v1.0 - High Rate Speech Service Option 17 for Wide Band Spread Spectrum Communication Systems (C00-20040607-012) were presented as FYI.
  - E-mail correspondences regarding SC level review and approval of C.S0023-B v1.0 - Removable User Identity Module for Spread Spectrum Systems (C00-20040607-013) were presented as FYI.

- 1 • E-mail correspondence 28 April 2004 regarding SC level approval of  
2 C.S0022-A v1.0 - Position Determination Service for cdma2000 Spread  
3 Spectrum Systems (C00-20040607-014) was presented as FYI.
- 4 • E-mail correspondence 28 April 2004 regarding SC level approval of  
5 C.S0034-0 v1.0 - Minimum Performance Specification for the Selectable  
6 Mode Vocoder (SMV), Speech Service Option 56 for Wideband Spread  
7 Spectrum Digital Systems (C00-20040607-015) was presented as FYI.
- 8 • E-mail correspondence 28 April 2004 regarding SC level approval of  
9 C.S0049-0 v1.0 - Removable User Identity Module Conformance Testing  
10 for Spread Spectrum Systems (C00-20040607-016) was presented as FYI.
- 11 • A contribution regarding SDO Review – Comments From Secretariat  
12 regarding C.P0043-0 Signaling Conformance (C00-20040607-017) was  
13 presented. **ACTION: This contribution was remanded to WG4 for  
14 review and action as appropriate.**
- 15 • E-mail correspondence regarding V&V review of C.P0052-0 v0.2  
16 VMR-WB and Comments From Secretariat (C00-20040607-018) was  
17 presented. **ACTION: This contribution was remanded to WG1 for  
18 review and action as appropriate.**
- 19 • E-mail correspondence dated 1 June 2004 regarding UPDATE:  
20 3GPP2/CDG/IA450 Workshop - Keynote Address (C00-20040607-019)  
21 was presented as FYI.
- 22 • E-mail correspondence dated 19 May 2004 regarding New Session in  
23 Warsaw: Technical Issues Related to 3GPP2 (C00-20040607-020) was  
24 presented from the 3GPP2 Secretariat.
- 25 • **ACTION: This contribution was remanded to WG1 for review  
26 and action as appropriate.**
- 27 • **ACTION: WG3 was directed to prepare a 20 minute (10  
28 pages) presentation to overview the cdma2000 air interface for  
29 the upcoming 3GPP2/CDG/IA450 workshop in Warsaw,  
30 Poland next week. This action must be completed by the  
31 closing Plenary.**
- 32 • A contribution regarding the 3GPP2/TSG-C workplan - April 2004  
33 (C00-20040607-028) was presented from the 3GPP2 Secretariat.  
34 **ACTION: This contribution was remanded to WG1 for review and  
35 action as appropriate.**
- 36 • TSG-A: Correspondence to TSG-X dated 22 April 2004 regarding BCMCS  
37 Program ID (C00-20040607-004) was presented. **ACTION: This contribution  
38 was remanded to WG1 and WG2 for review and action as appropriate.**

- 1 • TSG-S: The TSG-S Document Status Table for March 2004 (C00-20040607-  
2 009) was presented from TSG-S. **ACTION: This contribution was remanded  
3 to WG1 for review and comment as appropriate and to all other WGs as  
4 FYI.**
- 5 • TSG-X: The following contributions were discussed:
- 6 • Correspondence to TSG-S dated 23 April 2004 regarding Final TSG  
7 Review for S.P0079-0 (QoS) and S.P0090 (NIDS) Stage 1  
8 (C00-20040607-005) was presented as FYI for the TSG.
- 9 • Correspondence to TSG-S dated 23 April 2004 regarding Updates to Hot  
10 Lining Work Item Description and Requirements (C00-20040607-006)  
11 was presented as FYI for the TSG.
- 12 • Correspondence to TSG-A dated 23 April 2004 regarding RAN  
13 Accounting Information (C00-20040607-007) was presented as FYI for  
14 the TSG.
- 15 • Correspondence to TSG-A dated 23 April 2004 regarding RAN Session  
16 Discovery information and framing (C00-20040607-008) was presented as  
17 FYI for the TSG.
- 18 • TR45: No contributions.
- 19 • ITU: No contributions.
- 20 • OMA: No contributions.
- 21 • Other: Correspondence dated 21 May 2004 regarding Reply LS on AMR mode  
22 selection for MMS (C00-20040607-021) was presented. **ACTION: This  
23 contribution was remanded to WG1 for review and action as appropriate.**
- 24 10. WORKING GROUP REPORTS:
- 25 • WG1 Chair, Phil Brown (Ericsson), verbally noted the status of the WG1  
26 activities as follows:
- 27 • No meetings were held in the interim since the last meeting.
- 28 • SWG1.1 continues the work on VMR-WB.
- 29 • SWG1.2 continues the work on multimedia specifications.
- 30 • SWG1.3 continues the work on the data services specification.
- 31 • SWG1.4 is working on MEID/UIM ID dependencies and the next release  
32 of the OTASP specification.
- 33 No actions requested from Plenary at this time.
- 34 • WG2 Chair, Orlett Pearson (Lucent), verbally noted the status of the WG2  
35 activities as follows:
- 36 • Did meet during the interim to discuss cdma2000 Rev. C point release

- 1 • WG2 plans to have these documents ready for baseline text approval by  
2 the closing Plenary.

3 No actions requested from Plenary at this time.

4 The Chair noted his preference that the Rev. C point release be approved for  
5 V&V by TSG-C external groups within this week but this strategy will be  
6 discussed at the Chair's Team meeting.

- 7 • The WG3 Report (C00-20040607-022) was presented by Anthony Song  
8 (Ericsson):

9 • Held interim meetings to discuss WLAN Interworking Stage 1 and the  
10 cdma2000 Rev. C Physical Layer point release.

11 • WG 3 has approved the cdma2000 Physical Layer Rev. C point release for  
12 transmittal to the Plenary as baseline text. However, if WG2 does not  
13 baseline the signaling text, WG3 would request that the Physical Layer  
14 also not be baselined during the opening plenary.

15 • WG3 plans the following activities for this week:

- 16 • V&V of C.P0002-C point release (if in V&V), or any updates of  
17 the draft text (if not in V&V)
- 18 • Review and discussion of Evaluation Methodology document
- 19 • Discussion of band class issues for 450 MHz and review of a  
20 technical presentation for the 3GPP2/CDG/IA450 workshop
- 21 • 1xEV-DV requirements update
- 22 • Discussion of 2004 workplan
- 23 • Discussion and possible action on any new contributions

24 C.P0002-C point release cdma2000 Physical Layer proposed baseline text  
25 (C00-20040607024) was held open at the Plenary level pending decisions  
26 regarding cdma2000 Rev. C point release scheduling.

27 There was substantial discussion regarding interpretation of the new publication  
28 guidelines with respect to the release schedule for the cdma2000 Rev. C point  
29 release and the specific Plenary level approvals required by the new process. This  
30 discussion was primarily focused on what Plenary approvals are required.

31 **ACTION: WG3 was directed to prepare another presentation for the**  
32 **3GPP2/CDG/IA450 Workshop on the topic of overview of TSG-C.**

33 **ACTION: A contribution regarding Review of Stage 1 documents (C00-**  
34 **20040607-024) was remanded to WG1 for review and action as appropriate.**

- 35 • WG4 Vice Chair, Dave Whipple (Agilent Technologies), verbally noted the status  
36 of the WG4 activities as follows:

37 • Did not meet as a WG during the interim but the SWGs have been very  
38 busy.

- 1           •       WG4 is working to submit the following documents for Plenary action at  
2           the closing Plenary:
- 3           •       C.P0010-C/C.P0010-C MPS proposed baseline text
  - 4           •       C.P0026-A TDSO proposed baseline text
  - 5           •       C.P0044 Signaling Conformance proposed SDO review text under  
6           the old publication process guidelines
- 7           However, QUALCOMM expressed a concern that the MPS documents  
8           may not be ready for baseline text status.
- 9           No actions requested from Plenary.

10 11.    OLD BUSINESS:  None.

11 12.    ITU PROCESS/APPROVAL:  No contributions.

12 13.    NEW BUSINESS:

- 13       •       A contribution regarding cdma2000 Revision E Work Items (C00-20040607-026)  
14       was presented by Sprint.  The proposed WIs included the following:
- 15       •       Enhancements to the voice capacity
- 16       •       Performance Enhancements to support real-time packet data services  
17       (such as VoIP and Video Conferencing).
- 18       •       Support for 1xEV-DV to operate with dynamically scalable bandwidth  
19       radio configurations.

20       **ACTION: This contribution was remanded to all WGs for review and action**  
21       **as appropriate.**

- 22       •       A contribution regarding a Work Item Request for Soft Combine Enhancement  
23       (C00-20040607-027) was presented by KDDI.  The discussion noted that this  
24       feature may not be applicable to an addendum of C.S0054 since it is not a bug  
25       fix.  **ACTION: This contribution was remanded to all WGs for review and**  
26       **action as appropriate.**
- 27       •       A contribution regarding cdma2000 Rev. D bugs (C00-20040607-029) was  
28       presented by Ericsson.  These bugs identified by this contribution were indicated  
29       to be primarily editorial and clarification fixes.  **ACTION: This contribution**  
30       **was remanded to WG2 only for review and comment at this time.**
- 31       •       The Chair noted tentative direction for an interim Plenary to be held on Thursday  
32       evening at 5:00 PM.  This direction will be confirmed or canceled after the  
33       TSG-C Chair's Team meeting on Tuesday AM.

34 This session was recessed on 7 June 2004 at 11:45 AM local time.

35

36



1 **INTERIM PLENARY**

2 The meeting was reconvened on 10 June 2004 at 8:55 AM local time.

3 Quorum was established at the opening Plenary and not challenged at this time. No additional  
4 3GPP2 individual member company were noted in attendance.

5 The Chair clarified the TSG-C approach to the new publication process as follows:

- 6 • The old V&V process will map to the new R&F process.
- 7 • The old SDO review process will map to the new V&V process.

8

9 8. CORRESPONDENCE (continued): A contribution regarding MSS Test Planning in  
10 IMTC - Progress Report (C0020040607-076) was presented from IMTC PSS AG.

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

13 11. OLD BUSINESS (continued):

- 14 • The WG1 Chair had no report for this Interim Plenary.
- 15 • The WG2 Chair, Orlett Pearson (Lucent), provided an interim report (C00-  
16 20040607-070) as FYI. This report stated that the cdma2000 Rev. C point release  
17 was forwarded to the Plenary over the request of the SWG2.3 Chair for additional  
18 time based on the directive from the TSG-C Chair to release for R&F at this  
19 interim Plenary. The report also indicated that Lucent had expressed concerns  
20 regarding the completeness of the document at both the SWG2.3 and WG2 levels.

21 In response to questions from the TSG-C Chair, the WG2 Chair indicated that her  
22 confidence level in releasing this document for public scrutiny was low because  
23 of insufficient time to review the documents.

24 Nokia indicated that they shared the WG2 concern for the quality of the document  
25 at this time but that they believe that the quality of the document will be  
26 addressed in the V&V process. They indicated that a delay in the V&V release of  
27 this specific point release would cause an unacceptable delay in the overall  
28 publication schedule of this point release.

29 The SWG2.3 Chair indicated that the resolution of all editorial comments has  
30 been incorporated into the document but that version is not available at Plenary  
31 level and the Editor's notes on that version have not been reviewed. The version  
32 that was presented at Plenary is missing some of the comment resolutions that  
33 were achieved after approval.

34 ALLTEL made a motion that was duly seconded for the WG2 documents of the  
35 cdma2000 Rev. C point release set (i.e., C.P0001-C, C.P0003-C, C.P0004-C,  
36 C.P0005-C, and C.P0006-C) be approved for R&F. There was no objection to  
37 this action.

1           **DECISION: The following documents were approved for R&F and**  
2           **remanded back to WG2 for action:**

- 3           •       **C.P0001-C Introduction                   C00-20040607-071**
- 4           •       **C.P0003-C MAC                               C00-20040607-072**
- 5           •       **C.P0004-C LAC                               C00-20040607-073**
- 6           •       **C.P0005-C Layer 3 Signaling           C00-20040607-074**
- 7           •       **C.P0006-C Analog                        C00-20040607-075**

- 8           •       The WG3 Chair, Ed Tiedemann (QUALCOMM), noted that the C.P0002-C  
9           cdma2000 Physical Layer Rev. C point release (C00-20040607-024R1) has been  
10          approved for Plenary consideration.

11          The WG3 Chair then made a motion that was duly seconded for C.P0002-C to be  
12          approved for R&F. There was no objection to this action.

13          **DECISION: C.P0002-C Physical Layer point release (C00-20040607-024R1)**  
14          **was approved for R&F and remanded back to WG3 for action.**

- 15          •       The WG4 Vice Chair, Dave Whipple (Agilent), indicated that they had no actions  
16          to request of Plenary at this time. WG4 also noted that they will be unable to  
17          release C.P0010 and C.P0011 this month as originally planned.

18          The Chair then recommended that R&F of all cdma2000 Rev. C point release volumes be  
19          completed by the closing Plenary.

- 20          •       Nokia confirmed their previously comments that concerns for the quality of these  
21          documents will be addressed prior to publication.
- 22          •       QUALCOMM suggested that, for the sake of process consistency in the future,  
23          that the WG Chair and Editors provide an estimated schedule for a valid R&F  
24          process.

25          The Plenary was recessed at 9:50 AM local time.

## 27          CLOSING PLENARY

28          The meeting was reconvened on 11 June 2004 at 8:25 AM local time.

29          Quorum was established at the opening Plenary and not challenged at this time. No additional  
30          3GPP2 individual member companies were noted in attendance.

## 1 14. WORKING GROUP REPORTS:

- 2 • WG1 REPORT: The WG1 report (C00-20040607-101) was presented by the WG1  
3 Chair, Phil Brown (Ericsson), as FYI.
- 4 • Approved publication text for the following documents:
  - 5 • C.P0017-A v0.9 (Data Services revision) - has now been reorganized as a  
6 multi-part document and 8 of the 12 volumes are being released for  
7 publication.
  - 8 • C.P0052-0 v0.3 (VMR-WB Algorithm Description).
- 9 • Approved V&V text for the following documents:
  - 10 • C.R0030-0 v3.0 (Software Distribution v3.9 for SMV)
  - 11 • C.R0034-0 v1.0 (Software Distribution v3.9 for SMV MPS)
  - 12 • C.R0028-A v1.0 (Software Distribution v1.1 for TTY MPS)
  - 13 • C.R0020-A v1.0 (Software Distribution vA-1.0 for 13K Codec)
  - 14 • C.R0014-A v1.0 (Software Distribution vA-1.0 for EVRC)
  - 15 • C.R0030-0 v2.0 (Software Distribution v3.5 for SMV)
  - 16 • C.R0052-0 v1.0 (Software Distribution v1.0 for VMR-WB)
  - 17 • C.R0053-0 v1.0 (Software Distribution v1.0 for VMR-WB MPS)
  - 18 • C.P1004-0 v0.9 (MEID Report)
- 19 • Approved SDO Review text for the following documents:
  - 20 • C.P0016-C v0.3 (OTASP)
- 21 • Approved baseline text for the following documents:
  - 22 • C.P0053-0 v0.4 (VMR-WB MPS).
- 23 • Approved requests for six (6) new projects.
- 24 • Approved 4 items of outgoing correspondence (addressed to 3GPP SA4, OMA  
25 MWG, OMA BAC and TSG S).
- 26 • Approved a revised version of the TSG-C 2004 Workplan.

27 **DECISION: Request for 3 Project Numbers for codec software distributions (C00-**  
28 **20040607-116) was approved without objection.**

29 **DECISION: Request for 3 Project Numbers for revising existing multimedia**  
30 **specifications (C00-20040607-117) was approved without objection.**

31 **DECISION: C.P0017-A v0.9 Data Services (C00-20040607-119) was approved**  
32 **without objection for publication as C.S0017-A v1.0.**

33 **DECISION: C.P0052-0 v0.3 VMR-WB Algorithm Description (C00-20040607-120)**  
34 **was approved without objection for publication as C.S0052-0 v1.0.**

1 **DECISION: C.P0016-C v0.3 OTASP (C00-20040607-121) was approved without**  
2 **objection for SDO review under the old publication process.**

3 **DECISION: C.P0053-0 v0.4 VMR-WB MPS (C00-20040607-122) was approved**  
4 **without objection as baseline text under the new publication process and remanded**  
5 **back to WG1 for R&F.**

6 **DECISION: C.P1004-0 v0.9 MEID Report (C00-20040607-123) was approved**  
7 **without objection for V&V by all OPs under the new publication process.**

8 **ACTION: SWG1.4 was requested to create a document that details MEID**  
9 **deployment scenarios as they relate to the C.P1004-0 v0.9 MEID Report (C00-**  
10 **20040607-123) by the next meeting.**

11 **DECISION: The following software distributions were approved without objection**  
12 **for V&V by all OPs under the new publication process:**

- 13 • **C.R0030-0 Software Distribution v3.9 for C.S0030-0 v3.0 (C00-20040607-**  
14 **124)**
- 15 • **C.R0034-0 Software Distribution v3.9 for C.S0034-0 v1.0 (C00-20040607-**  
16 **125)**
- 17 • **C.R0028-A Software Distribution v1.1 for C.S0028-A v1.0 (C00-20040607-**  
18 **126)**
- 19 • **C.R0020-A Software Distribution v1.0 for C.S0020-A v1.0 (C00-20040607**  
20 **127)**
- 21 • **C.R0014-A Software Distribution v1.0 for C.S0014-A v1.0 (C00-20040607**  
22 **128)**
- 23 • **C.R0030-0 Software Distribution v3.5 for C.S0030-0 v3.0 (C00-20040607-**  
24 **129)**
- 25 • **C.R0052-0 Software Distribution v1.0 for C.S0052-0 v1.0 (C00-20040607-**  
26 **130)**
- 27 • **C.R0053-0 Software Distribution v1.0 for C.S0053-0 v1.0 (C00-20040607-**  
28 **131)**

29 **DECISION: Proposed liaison to OMA MWG regarding the Status of 3GPP2**  
30 **Multimedia Specifications (C00-20040607-132) was approved without objection for**  
31 **transmission.**

32 **DECISION: Proposed liaison to OMA BAC regarding Response to**  
33 **OMA-BAC-DLDRM-2004-051-liaison-to-3GPP2 (C00-20040607-133) was approved**  
34 **without objection for transmission.**

35 **DECISION: Proposed liaison to 3GPP SA4 regarding Alignment of 3GPP2**  
36 **C.S0050 and 3GPP TS 26.244, TS 26.245 and TS 26.246 (C00-20040607-134) was**  
37 **approved without objection for transmission pending clean up of revision marks by**  
38 **the Secretary.**

39 **DECISION: Proposed correspondence to TSG-S regarding TSG-C Stage 1 review**  
40 **activity (C00-20040607-135) was approved without objection for transmission.**

1 **DECISION: The TSG-C 2004 Workplan v0.2 (C00-20040607-136) was adopted**  
2 **without objection.**

3 **The TSG-C Publication Process Overview (C00-20040607-118) was presented but**  
4 **left open until the opening Plenary of the July 2004 meeting to allow time for**  
5 **consideration by the membership.**

- 6 • **WG2 REPORT:** The WG2 report (C00-20040607-102) was presented by the WG2  
7 Chair, Orlett Pearson (Lucent), as FYI.
- 8 • Determined that an addendum to cdma2000 Rev. D will be necessary to address  
9 an inconsistency of certain parameter ranges between the Physical Layer and  
10 Layer 3 Signaling documents.
  - 11 • An Industry Notice was approved including comments on the Retry Order,  
12 SYNC\_ID, Class 1 IMSI, QPCH Code Channel index, IMSI\_S, apply message  
13 format for non-primary BCCH.
  - 14 • WG2 decided to request a new TSG-C document number for "High Rate Packet  
15 Data Supplemental Packet Data Services."
  - 16 • All Revision C Addendum specifications were approved. Approximate number  
17 of comments approved for Revision C Addendum: Intro (0); MAC (75); LAC  
18 (20); L3 (203); Analog (0). It was requested that the TSG-C Chair or Plenary  
19 provide a timeline for the Rev C Addendum.

20 **DECISION: The TSG approved without objection the request for a project number**  
21 **to be assigned for the development of a new document regarding "High Rate Packet**  
22 **Data Supplemental Packet Data Services" to include VoIP. C.P0063-0 was**  
23 **assigned.**

24 **DECISION: The Industry Notice regarding Retry Order, SYNC\_ID, Class 1 IMSI,**  
25 **QPCH Code Channel index, IMSI\_S, and the application of message format for**  
26 **non-primary BCCH (C00-20040607-112) was approved without objection for**  
27 **transmission to the 3GPP2 Secretariat for action.**

28 **DECISION: The following cdma2000 Rev. C point release documents were**  
29 **approved without objection for release for V&V by all OPs under the new**  
30 **publication process:**

- 31 • **C.P0001-C cdma2000 Introduction** **C00-20040607-107**
- 32 • **C.P0003-C cdma2000 MAC** **C00-20040607-108**
- 33 • **C.P0004-C cdma2000 LAC** **C00-20040607-109**
- 34 • **C.P0003-C cdma2000 Layer 3 Signaling** **C00-20040607-110**
- 35 • **C.P0003-C cdma2000 Analog** **C00-20040607-111**

36 **ACTION: SDO comments for cdma2000 Rev. C point release must be returned by**  
37 **opening Plenary. Comments from individual 3GPP2 member companies should be**  
38 **forwarded to the Secretary as a contribution to the opening Plenary so that it can be**  
39 **assigned a contribution number and advance remanded to the appropriate WGs.**

40 The Chair expressed his gratitude for the WG2 efforts to achieve this milestone.

1

2 • WG3 REPORT: The WG3 report (C00-20040607-103) was presented WG3 Chair, Ed  
3 Tiedemann (QUALCOMM), as FYI.

4 • Updated C.S0002-C-1 with a few additional comments that were received during  
5 the week. Then presented this revised version to the interim plenary on Thursday  
6 morning for R&F approval. Completed R&F and are certifying this document as  
7 ready for V&V under the new publication process.

8 • The list of R&F comments was noted as C00-20040607-103A

9 • A partial list of changes in the point release was noted as  
10 C00-20040607-103B

11 • Reviewed the proposed template document with the following comments:

12 • Clarify whether this proposed document template applies to new  
13 documents only.

14 • If existing documents are to be converted to this new style, confirm who is  
15 responsible for doing this work. In particular, Working Group 3 has  
16 concerns that this change would require most figures to be withdrawn, a  
17 very time consuming task.

18 • There are not any figures shown in the template document. Please provide  
19 an example showing figures using this style. In particular, there are  
20 concerns if the page width allowed for would be less than the normal  
21 width that has been used in the past (approximately 6.25"). The reason is  
22 that Working Group 3 uses many wide figures and there are already severe  
23 limits with a width of 6.25".

24 • It should be noted that in the draft 3GPP2 TSG-C Word Template that the  
25 document numbers are shown as X.P.

26 • It should be noted that the disclosure at the bottom of the cover page of  
27 3GPP2 TSG-C Word Template is not the proper 3GPP2 disclosure notice.

28 The discussion noted that the template was proposed for use with new documents  
29 only.

30 **ACTION: The Secretary agreed to request response to these WG3 issues**  
31 **from the Editor.**

32 • WG3 requests that 3GPP2 update its document website more frequently to show  
33 the TIA, TTA, ARIB, TTC, and CCSA designators.

34 • WG3 has reviewed and approved a document "Updated cdma2000 Revision D  
35 1xEV-DV Integrated Data and Voice Requirements Report." (C00-20040607-  
36 103C). It is requested that this document be approved and sent to TSG-S.

- 1 • WG3 has received a draft document that merges the strawman used for 1xEV-DV  
2 Revision D and 1xEV-DO Revision A. All companies have been asked to review  
3 the document with the intent to agree upon a base document during the July  
4 meeting.
- 5 • WG3 has received several requests related to enhancements of the cdma2000 air  
6 interfaces including a preliminary proposal to update cdma2000 3x operation and  
7 a more substantial proposal to enhance HRPD broadcast services by using OFDM  
8 modulation. At this time, WG3 is collecting initial proposals for enhancements  
9 and updating the strawman.
- 10 • WG3 requests that the Plenary take steps to find out if there was a restriction in  
11 the agreed upon 3GPP2 Partnership Agreement related to working on OFDM  
12 modulation.

13 **DECISION: C.P0002-C cdma2000 Rev. C point release Physical Layer**  
14 **(C00-20040607-113) was approved without objection for V&V under the new**  
15 **publication process by all 3GPP2 OPs. All comments are due by the opening**  
16 **Plenary of the July 2004 meeting (17 July 2004).**

17 **DECISION: Proposed correspondence to TSG-S regarding Updated cdma2000**  
18 **Revision D 1xEV-DV Integrated Data and Voice Requirements Report (C00-**  
19 **20040607-103C) was approved without objection for transmission.**

20 **DECISION: IA450 Workshop presentation for TSG-C Overview (C00-20040607-**  
21 **114R1) was approved without objection for submission to the 3GPP2/CDG/IA450**  
22 **Workshop.**

23 **DECISION: IA450 Workshop presentation for the Technical Seminar (C00-**  
24 **20040607-115) was approved without objection for submission to the**  
25 **3GPP2/CDG/IA450 Workshop.**

26 After substantial discussion regarding the proposal for the use of OFDM modulation, the  
27 Chair noted that he considered this proposal to be responsive to his call for new  
28 technologies. The WG3 Chair indicated that the use of OFDM modulation would not  
29 change the classification of the technology as a cdma2000 technology. The TSG-S Chair  
30 indicated that the TSG-C Report to the SC will only indicate that a call for new  
31 technologies has been issued but, since there have been no decisions regarding any of the  
32 proposals, none of the proposals will be specifically mentioned. 3GPP2 member  
33 companies are invited to submit any related concerns to the upcoming SC meeting.

- 34 • **WG4 REPORT:** The WG4 report (C00-20040607-104) was presented by WG4 Vice  
35 Chair, Dave Whipple (Agilent), as FYI.
- 36 • Completed C.P0044 Interoperability Specification for cdma2000 Air Interface for  
37 SDO review and comment under the old publication process
- 38 • C.P0011-C and C.P0010-C are still not ready but are planned for SDO review and  
39 comment under the old publication process at the opening Plenary in July 2004  
40 meeting.

- 1 • Determined that, when published, C.S0056 Electro-Acoustic Minimum
- 2 Performance Specification for cdma2000 Mobile Stations will also require
- 3 supporting software to be published as C.R0056.
- 4 • SWG4.3 has been reactivated but has still not scheduled any meeting time for LA.

5 **DECISION: C.P0044-0 Interoperability Test (C00-20040607-106) was approved**  
6 **without objection for SDO review and comment under the old publication process.**

7 The Chair noted the two (2) individuals from two (2) companies have been volunteered  
8 to work with and be trained by the WG4 team. The Chair stressed that 5-6 additional  
9 people are still required. Volunteers should contact the TSG-C Chair.

- 10 • The V&V form to be used for comments regarding cdma2000 Rev. C point release  
11 (C00-20040607-146) was presented. **ACTION: The Secretary will include the V&V**  
12 **form (C00-20040607-146) with the V&V notice and all OPs and individual company**  
13 **members are requested to use that form for their comments. Companies will be**  
14 **explicitly requested not to use the standard comment system on the TIA ballot**  
15 **facility.**

16 The Chair then formed a V&V Form AdHoc to develop a V&V form that can be used in  
17 the future for all TSG-C documents. Doug Knisely (Lucent) was named as the AdHoc  
18 Chair and all WG and SWG Chairs were requested to participate.

19 15. LIAISON REPORTS:

- 20 • 3GPP2 SECRETARIAT: No additional contributions or discussions.
- 21 • TSG-A: No additional contributions or discussions.
- 22 • TSG-S: The TSG-S Liaison Report (C00-20040607-105) was noted by the  
23 TSG-C Liaison, Clif Barber (KDDI), as FYI. In addition, the following  
24 contributions and actions were also noted:
  - 25 • Correspondence to all TSGs dated 10 June 2004 regarding review of  
26 S.P0100-0 PoC System Requirements (C00-20040607-137) was presented  
27 from TSG-S. **ACTION: This contribution was remanded to all WGs**  
28 **for review and comment with comments to be coordinated by WG1.**
  - 29 • Correspondence to all TSGs dated 10 June 2004 requesting notification of  
30 architecture changes (C00-20040607-138) was presented from TSG-S.  
31 **ACTION: This contribution was remanded to WG1 and WG2 for**  
32 **review and comment with comments to be coordinated by WG1.**
  - 33 • Correspondence to SC dated 10 June 2004 regarding S.P0070-A v0.11 to  
34 be published as SC.R1003-0 v1.0 "Work Item, Stage 1 and System  
35 Requirements Process Guidelines" (C00-20040607-139) was presented  
36 from TSG-S as FYI.
  - 37 • Correspondence to TSG-X dated 10 June 2004 regarding Revised  
38 Worksheet for Hotlining Capability, Work Item 3GPP2-00083  
39 (C00-20040607-140) was presented from TSG-S as FYI.



- 1           •       Correspondence to all TSGs dated 10 June 2004 regarding review of  
2           SC.P2001-0 v0.9 Release Planning Guidelines (C00-20040607-141) was  
3           presented from TSG-S. **ACTION: This contribution was remanded to**  
4           **all WGs for review and comment with comments to be coordinated**  
5           **by WG1.**
- 6           •       Correspondence to all TSGs dated 10 June 2004 regarding High Priority  
7           Work Items (C00-20040607-142) was presented from TSG-S as FYI.
- 8           •       Correspondence to all TSGs dated 10 June 2004 regarding Review and  
9           Comment for SC.R1002-0 v1.1 Publication Numbering Guidelines  
10          (C00-20040607-143) was presented from TSG-S. **ACTION: This**  
11          **contribution was remanded to all WGs for review and comment with**  
12          **comments to be coordinated by WG1.**
- 13          •       Correspondence to OMA Release Planning and Management Committee  
14          dated 10 June 2004 regarding OMA LS dated 5 May 2004 on OMA  
15          Dependencies on 3GPP2 Specifications (C00-20040607-144) was  
16          presented from TSG-S. **ACTION: This contribution was remanded to**  
17          **WG1 for review and comment and to all other WGs as FYI.**
- 18          •       Correspondence to all TSGs dated 10 June 2004 regarding new attacks on  
19          the CAVE algorithm (C00-20040607-145) was presented from TSG-S as  
20          FYI.
- 21          •       The Secretary agreed to request response to the WG3 template issues from  
22          the Template Editor.
- 23          •       The Secretary will include the V&V form (C00-20040607-146) with the  
24          cdma2000 Rev. C point release V&V notice and all OPs and individual  
25          company members are requested to use that form for their comments.  
26          Companies will be explicitly requested not to use the standard comment  
27          system on the TIA ballot facility.
- 28          •       TSG-X: No additional contributions or discussions.
- 29          •       ITU: No additional contributions or discussions.
- 30          •       OTHER: No additional contributions or discussions.
- 31   16.    OLD BUSINESS (continued): No additional contributions or discussions.
- 32   17.    NEW BUSINESS (continued): No additional contributions or discussions.
- 33   18.    FUTURE MEETING SCHEDULE:
- |                      |  |
|----------------------|--|
| 19-23 July 2004      | Sheraton Universal Hotel in Universal City, CA, USA          |
| 23-27 August 2004    | Osaka International Convention Center (IOCC) in Osaka, Japan |
| 20-24 September 2004 | Hilton Clearwater Beach Resort in Clearwater, FL, USA        |
- 34
- 35   19.    OPEN DISCUSSION AND OTHER BUSINESS: No contributions or discussions.

- 1 20. ASSIGNMENTS: The open action items other than document remands were not  
2 explicitly discussed in the meeting but are noted below:
- 3 • All TSG-C member companies were requested to bring recommendations for  
4 technical WIs to be considered for development in cdma2000 Rev. E to the  
5 opening Plenary of the June 2004 meeting. The Chair noted that input on this  
6 topic had also been requested from CDG. This action item was extended from the  
7 last meeting.
  - 8 • TSG-C participants were requested to bring Plenary contributions regarding bugs  
9 that are identified in either cdma2000 Rev. D or HRPD Rev. A. The Plenary will  
10 then remand these comments to the WGs in a manner similar to the process  
11 currently used for SDO review comments. This action item was extended from  
12 the last meeting.
  - 13 • TSG-C participants who are interested in joining the WG4 team should contact  
14 WG4 leadership to arrange for training. WG4 notes that there is a very high need  
15 for personnel to work on the MS MPS documents.
  - 16 • SWG1.4 was requested to create a document that details MEID deployment  
17 scenarios as they relate to the C.P1004-0 v0.9 MEID Report (C0020040607-123)  
18 by the next meeting.
  - 19 • SDO comments for cdma2000 Rev. C point release must be returned by opening  
20 Plenary. Comments from individual 3GPP2 member companies should be  
21 forwarded to the Secretary as a contribution to the opening Plenary so that it can  
22 be assigned a contribution number and advance remanded to the appropriate  
23 WGs.
- 24 21. ADJOURNMENT: The Plenary was adjourned on 11 June 2004 at 11:35 AM local time.  
25

- 1 A listing of the contributions that were distributed is itemized below:

NUMBER	SUBJECT	SOURCE
<b>OPENING PLENARY - 3GPP2-C00-20040608-</b>		
000	DOCUMENT REGISTER	SECRETARY
001	AGENDA	CHAIR
002	TSG-C Meeting Summary - April 2004 - Ceour d'Alene, ID	SECRETARY
003	TSG-C Meeting Summary - 13 May 2004 - Interim Conference Call	SECRETARY
004	Correspondence to TSG-X dated 22 April 2004 regarding BCMCS Program ID	TSG-A
005	Correspondence to TSG-S dated 23 April 2004 regarding Final TSG Review for S.P0079-0 (QoS) and S.P0090 (NIDS) Stage 1	TSG-X
006	Correspondence to TSG-S dated 23 April 2004 regarding Updates to Hot Lining Work Item Description and Requirements	TSG-X
007	Correspondence to TSG-A dated 23 April 2004 regarding RAN Accounting Information	TSG-X
008	Correspondence to TSG-A dated 23 April 2004 regarding RAN Session Discovery information and framing	TSG-X
009	TSG-S Document Status Table - April 2004	TSG-S
010	E-mail correspondences regarding SC level review and approval of C.S0014-A v1.0 - Enhanced Variable Rate Codec, Speech Service Option 3 for Wideband Spread Spectrum Digital Systems	3GPP2 SECRETARIAT
011	E-mail correspondences regarding SC level review and approval of C.S0015-B v1.0 - Short Message Service (SMS) For Wideband Spread Spectrum Systems	3GPP2 SECRETARIAT
012	E-mail correspondences regarding SC level review and approval of C.S0020-A v1.0 - High Rate Speech Service Option 17 for Wide Band Spread Spectrum Communication Systems	3GPP2 SECRETARIAT
013	E-mail correspondences regarding SC level review and approval of C.S0023-B v1.0 - Removable User Identity Module for Spread Spectrum Systems	3GPP2 SECRETARIAT
014	E-mail correspondence 28 April 2004 regarding SC level approval of C.S0022-A v1.0 - Position Determination Service for cdma2000 Spread Spectrum Systems	3GPP2 SECRETARIAT
015	E-mail correspondence 28 April 2004 regarding SC level approval of C.S0034-0 v1.0 - Minimum Performance Specification for the Selectable Mode Vocoder (SMV), Speech Service Option 56 for Wideband Spread Spectrum Digital Systems	3GPP2 SECRETARIAT
016	E-mail correspondence 28 April 2004 regarding SC level approval of C.S0049-0 v1.0 - Removable User Identity Module Conformance Testing for Spread Spectrum Systems	3GPP2 SECRETARIAT
017	SDO Review – Comments From Secretariat regarding C.P0043-0 Signaling Conformance	3GPP2 SECRETARIAT
018	E-mail correspondence regarding V&V review of C.P0052-0 v0.2 VMR-WB and Comments From Secretariat	3GPP2 SECRETARIAT

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019	E-mail correspondence dated 1 June 2004 regarding UPDATE: 3GPP2/CDG/IA450 Assoc. Workshop - Keynote Address	3GPP2 SECRETARIAT
020	E-mail correspondence dated 19 May 2004 regarding New Session in Warsaw: Technical Issues Related to 3GPP2	3GPP2 SECRETARIAT
021	Correspondence dated 21 May 2004 regarding Reply LS on AMR mode selection for MMS	3GPP SA4
022	3GPP2 TSG-C Working Group 3 Brief Meeting Summary	WG3
023	Review of Stage 1 documents	WG3
024	C.P0002-C point release cdma2000 Physical Layer proposed baseline text	WG3
025	CDMA450 Evolution Seminar: Technical Issues Related to 3GPP2 Specifications	EDITOR
026	Revision E Work Items	SPRINT
027	Work Item Request for Soft Combine Enhancement	KDDI
028	3GPP2/TSG-C workplan - April 2004	3GPP2 SECRETARIAT
029	Rev. D bugs	ERICSSON
<b>INTERIM PLENARY - 3GPP2-C00-20040607-</b>		
070	WG2 meeting report	WG2
071	C.P0001-C cdma2000 Rev. C point release Introduction proposed R&F text	WG2
072	C.P0003-C cdma2000 Rev. C point release MAC proposed R&F text	WG2
073	C.P0004-C cdma2000 Rev. C point release LAC proposed R&F text	WG2
074	C.P0005-C cdma2000 Rev. C point release Layer 3 proposed R&F text	WG2
075	C.P0006-C cdma2000 Rev. C point release Analog proposed R&F text	WG2
076	MSS Test Planning in IMTC - Progress Report	IMTC PSS AG
<b>CLOSING PLENARY - 3GPP2-C00-20040607-</b>		
101	WG1 Report	WG1
102	WG2 Report	WG2
103	WG3 Report	WG3
104	WG4 Report	WG4
105	TSG-S Liaison Report - March 2004	TSG-S LIAISON
106	C.P0044-0 Interoperability Test proposed SDO review text	WG4
107	C.P0001-C cdma2000 Rev. C point release Introduction proposed V&V text	WG2
108	C.P0003-C cdma2000 Rev. C point release MAC proposed V&V text	WG2
109	C.P0004-C cdma2000 Rev. C point release LAC proposed V&V text	WG2

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110	C.P0005-C cdma2000 Rev. C point release Layer 3 proposed V&V text	WG2
111	C.P0006-C cdma2000 Rev. C point release Analog proposed V&V text	WG2
112	Industry notice	WG2
113	C.P0002-C cdma2000 Rev. C point release Physical Layer proposed V&V text	WG3
114	IA450 Workshop presentation for TSG-C Overview	WG3
115	IA450 Workshop presentation for Technical Seminar	WG3
116	Request for 3 Project Numbers for codec software distributions	WG1
117	Request for 3 Project Numbers for revising existing multimedia specifications	WG1
118	TSG-C Publication Process Recommendation	WG1
119	C.P0017-A v0.9 Data Services proposed publication text	WG1
120	C.P0052-0 v0.3 VMR-WB Algorithm Description proposed publication text	WG1
121	C.P0016-C v0.3 OTASP proposed SDO Review text	WG1
122	C.P0053-0 v0.4 VMR-WB MPS proposed baseline text	WG1
123	C.P1004-0 v0.9 MEID Report proposed V&V text	WG1
124	Software Distribution v3.9 for C.S0030-0 v3.0 proposed V&V text	WG1
125	Software Distribution v3.9 for C.S0034-0 v1.0 proposed V&V text	WG1
126	Software Distribution v1.1 for C.S0028-A v1.0 proposed V&V text	WG1
127	Software Distribution v1.0 for C.S0020-A v1.0 proposed V&V text	WG1
128	Software Distribution v1.0 for C.S0014-A v1.0 proposed V&V text	WG1
129	Software Distribution v3.5 for C.S0030-0 v2.0 proposed V&V text	WG1
130	Software Distribution v1.0 for C.S0052-0 v1.0 proposed V&V text	WG1
131	Software Distribution v1.0 for C.S0053-0 v1.0 proposed V&V text	WG1
132	Proposed liaison to OMA MWG regarding the Status of 3GPP2 Multimedia Specifications	WG1
133	Proposed liaison to OMA BAC regarding Response to OMA-BAC-DLDRM-2004-051-liaison-to-3GPP2	WG1
134	Proposed liaison to 3GPP SA4 regarding Alignment of 3GPP2 C.S0050 and 3GPP TS 26.244, TS 26.245 and TS 26.246	WG1
135	Proposed corr. to TSG-S regarding TSG-C Stage 1 review activity	WG1
136	TSG-C 2004 Workplan V0.2	WG1
137	Correspondence to all TSGs regarding review of S.P0100-0 PoC System Requirements	TSG-S
138	Correspondence to all TSGs requesting notification of architecture changes	TSG-S
139	Correspondence to SC regarding S.P0070-A v0.11 to be published as SC.R1003-0 v1.0 "Work Item, Stage 1 and System Requirements Process Guidelines"	TSG-S

140	Correspondence to TSG-X regarding Revised Worksheet for Hotlining Capability, Work Item 3GPP2-00083	TSG-S
141	Correspondence to all TSGs regarding review of SC.P2001-0 v0.9 Release Planning Guidelines	TSG-S
142	Correspondence to all TSGs regarding High Priority Work Items	TSG-S
143	Correspondence to all TSGs regarding Review and Comment for SC.R1002-0 v1.1 Publication Numbering Guidelines	TSG-S
144	Correspondence to OMA Release Planning and Management Committee regarding OMA LS dated 5 May 2004 on OMA Dependencies on 3GPP2 Specifications	TSG-S
145	Correspondence to all TSGs regarding new attacks on the CAVE algorithm	TSG-S
146	V&V form for cdma2000 Rev. C point release	EDITOR

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3GPP2 QUORUM ROLL CALL						
TSG-C (CDMA2000)						
11-Jun-04						
COMPANY	Attendance 06/07/2004	Attendance 06/10/2004	Attendance 06/11/2004	Consecutive Mtgs Missed	Voting Status	Quorum Status at Mtg Start
AGILENT TECHNOLOGIES	1			1	1	1
ALLTEL	1			0	1	1
AXALTO	1			0	1	1
CHINA UNICOM				3	0	0
DOCOMO US LABORATORIES				1	1	1
ERICSSON	1			0	1	1
ETRI				3	0	0
FUJITSU	1			3	1	0
GEMPLUS	1			1	1	1
HITACHI	1			0	1	1
INTERDIGITAL	1			0	1	1
KDDI	1			0	1	1
KYOCERA	1			0	1	1
LG ELECTRONICS	1			0	1	1
LG TELECOM	1			0	1	1
LUCENT	1			0	1	1
MOTOROLA	1			0	1	1
NEC			1	0	1	0
NEXTEL	1			3	0	0
NOKIA	1			0	1	1
NORTEL NETWORKS	1			0	1	1
QUALCOMM	1			0	1	1
RESEARCH IN MOTION	1			0	1	1
ROHDE & SCHWARZ	1			1	1	1
SAMSUNG	1			0	1	1
SIRF TECHNOLOGY				2	1	1
SPIRENT COMMUNICATIONS	1			1	1	1
SPRINT	1			1	1	1
TEXAS INSTRUMENTS	1			2	1	1
TOSHIBA	1			0	1	1
VERIZON WIRELESS				2	1	1
VIA TELECOM	1			1	1	1
ZTE				3	0	0
<b>TOTALS</b>	<b>24</b>	<b>0</b>	<b>0</b>		<b>29</b>	<b>27</b>
<b>QUORUM CALCULATION</b>	<b>89%</b>	<b>0%</b>	<b>0%</b>			
<b>ADDITIONS</b>						
SK TELECOM			1			
<b>OBSERVERS AND GUESTS</b>						
GINA DOKKO, WARTON	1					
ARIB			1			
<b>QUORUM STATUS NOTES:</b>						
- HIGHLIGHTED ZERO = Must attend 2 consecutive mtgs to be added to quorum list						
- NON-HIGHLIGHTED ZERO = Will be added to quorum list if they attend the next mtg						
- P = proxy letter in force						