

1 **Title:**

2 **APPROVED SUMMARY OF 3GPP2 TSG-C MEETINGS**
3 for 8-12 December 2003 in Maui, Hawaii

4 **Source:**

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15 **Abstract:**

16 This document is a summary of the 3GPP2 TSG-C meetings that were held during the period of
17 8-12 December 2003 in Maui, Hawaii.

18 **Recommendation:**

19 Review and adopt.

20 **Notice:**

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1 During the period of 8-12 December 2003, 3GPP2 TSG-C meetings were held at the Grand
2 Wailea Hotel in Wailea, Maui, Hawaii. 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 8:50 AM local time on 8 December 2003 by TSG-C Chair, BK Yi (LGE). The Chair
8 welcomed everyone to Maui.

9 The Chair stated that the objective for the meetings this week is to complete the
10 resolution of SDO comments for cdma2000 Rev. D and other documents.

11 The Chair also noted that 13 companies have contributed to the purchase of 3GPP2 polo
12 shirts. These contributing companies included the following:

- | | | |
|----|------------|--------------------|
| 48 | • ALLTEL | • Nokia |
| 49 | • Ericsson | • Nortel Networks |
| 50 | • KDDI | • QUALCOMM |
| 51 | • LGE | • Samsung |
| 52 | • Lucent | • Sprint |
| 53 | • Motorola | • Verizon Wireless |
| | | • VIA Technologies |

54 The Chair advised that these shirts would be distributed starting on Tuesday 9 December
55 2003 in the office meeting room.

56 2. ATTENDANCE REGISTRATION AND ROLL CALL: A roll call of companies
57 indicated that 28 companies included on the list of 32 quorum members were present
58 (88% participation).

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

60 3. INTRODUCTION AND NUMBERING OF CONTRIBUTIONS: Contributions were
61 loaded onto the 3GPP2 network server and listed in the document register (C00-
62 20031208-000).

63 4. AGENDA APPROVAL: The proposed agenda (C00-20031208-001) was presented.
64 **DECISION: The agenda was approved without objection as modified by the**
65 **discussion (C00-20031208-001R1).**

66 The Chair also reminded the group that an interim Plenary has been scheduled for
67 Tuesday 9 December 2003 at 8:30 AM immediately following the TR45.5 Plenary.

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

- 1 6. APPROVAL OF PREVIOUS MEETING SUMMARY:
- 2 • The summary of the October 2003 meeting in Kobe, Japan (C00-20031208-002)
- 3 was presented. **DECISION: The October 2003 meeting summary was**
- 4 **approved as submitted.**
- 5 • The summary of the 7 November 2003 interim Plenary conference call(C00-
- 6 20031208-036) was presented. **DECISION: The meeting summary of the**
- 7 **7 November 2003 conference call was approved as modified by the discussion**
- 8 **(C0020031208-036R1).**
- 9 7. REVIEW OF OUTSTANDING ACTIONS FROM PREVIOUS MEETING: The action
- 10 items from the October 2003 meeting were noted as follows:
- 11 • The WG1 Chair and the Secretary took the action to figure out how to process the
- 12 Request to Register MPEG-4 code points through 3GPP2.
- 13 E-mail correspondences regarding MPEG-4 Code Point Registration (C00-
- 14 20031208-003) were noted as FYI. These correspondences indicated that the
- 15 MPEG-4 Code Point Registration has been filed on behalf of 3GPP2. However,
- 16 the 3GPP2 Secretariat notes that acknowledgment from the registration authority
- 17 is still outstanding.
- 18 The process that is recommended by the 3GPP2 Secretariat for external
- 19 registrations is noted in C00-20031208-003G.
- 20 **DECISION: This action item was closed without objection.**
- 21 **ACTION: This contribution (C00-20031208-003) was remanded to all WGs**
- 22 **as FYI.**
- 23 • The WG2 Chair committed to provide a punch list of the technical changes still to
- 24 be incorporated in the cdma2000 signaling text via e-mail exploder during the
- 25 week of 20 October 2003.
- 26 **DECISION: This action item was closed without objection.**
- 27 • The WG3 Chair committed to provide a punch list of the technical changes still to
- 28 be incorporated in the cdma2000 physical layer text via e-mail exploder during
- 29 the week of 20 October 2003.
- 30 **ACTION: This action item was closed without objection.**
- 31 • The Vice Chair, Dennis Gentzler (ALLTEL), will consolidate the WG2 and WG3
- 32 conference call and completion schedules for review by the TSG and so that the
- 33 TSG has a common point of reference for the cdma2000 Rev. D schedule. He
- 34 was directed to post an initial draft on the TSG-C e-mail exploder during the
- 35 week of 20 October 2003.
- 36 A contribution regarding interim meeting schedule and guidelines (C00-
- 37 20031208-039) was presented by TSG-C Vice Chair, Dennis Gentzler
- 38 (ALLTEL). This contribution was noted as FYI for the TSG.
- 39 The Chair thanked the Vice Chair for this action and the WG2 and WG3 Chairs
- 40 for their efforts with interim meetings.

1 **ACTION: The Vice Chair was requested to continue to his efforts to**
2 **coordinate meeting schedules and guidelines.**

3 **DECISION: This action item was closed without objection.**

- 4 • All WG Chairs were directed to provide the list of documents to be considered at
5 the 7 November 2003 interim Plenary to the TSG-C Chair by COB on Monday 20
6 October 2003.

7 **DECISION: This action item was closed without objection.**

- 8 • All TSG-C participants were requested to send their T-shirt size to the Chair
9 during the week of 20 October 2003.

10 **DECISION: This action item was closed without objection.**

11 There were no open actions from the 7 November 2003 conference call.

12 8. CORRESPONDENCE: None.

13 9. LIAISON REPORTS:

- 14 • OP MEETING: No contributions.
- 15 • SC: The following contributions were discussed:
- 16 • The draft meeting summary for the 3GPP2 SC meeting on 20 October
17 2003 in Kobe (C00-20031208-032) was presented from the 3GPP2
18 Secretariat. The TSG-C Secretary provided the following verbal
19 summary:
- 20 • During the TR45 Report, the issue of ESN exhaust was discussed.
21 Girish Patel (Nortel Networks) took an action to compile a list of
22 ESN exhaust-related concerns and to offer a proposal for the
23 assignment of these concerns to TR45, the CDG and 3GPP2
24 respectively (SC ACTION 2003/10-01).
- 25 • During the TSG-X Report:
- 26 • TSG-X requested the SC to clarify for all TSGs the need
27 for cooperation to achieve our common objective of
28 producing high quality specifications. The TSG Chairs
29 were encouraged to use the Wednesday AM TSG
30 Leadership meeting to negotiate joint meeting schedules for
31 interim conference calls and face-to-face meetings for the
32 following month. If issues are identified after that
33 Wednesday AM meeting, TSG Chairs should be negotiated
34 among each other in advance. In addition, the Secretariat
35 will investigate a calendar management tool to better
36 document joint meetings (SC ACTION 2003/10-0?).
- 37 • TSG-X requested modifications to the WPD to reduce the
38 meeting notice time for TSG meetings from 21 days to 7
39 days. This issue was referred to the OPs and subsequently
40 to the WPD AdHoc.

- 1 E-mail correspondence dated 3 November 2003 regarding
2 TSG-X request for WPD amendment (C00-20031208-041)
3 was presented from the WPD AdHoc. This correspondence
4 requests feedback from all TSGs regarding a TSG-X
5 proposal to modify the WPD since that the leadtime for
6 notice of TSG conference calls is reduced from 21 days to
7 7 days.
- 8 • AC Mahendran (QUALCOMM) was approved as the new
9 3GPP2 Liaison to IETF replacing Tom Hiller of Lucent
10 Technologies.
 - 11 • During the TSG-S Report, the SC recommended that TIA take on
12 the function of MEID Global Hexadecimal Administrator (GHA).
 - 13 • During the PMT Report:
 - 14 • The SC approved the updated 3GPP2 workplan.
 - 15 • Regarding the Publication Process document, the SC
16 decided that the revised publications process should be
17 implemented as soon as it is approved. However, noting
18 some urgency in the submission of documents to ITU-R
19 WP8F, HRPD Rev-A and IS-2000 Rev. D are exempt from
20 implementation of the new publications process.
 - 21 • The SC approved the content of the System Release Guide.
22 As a result, the SC SRG AdHoc was disbanded.
 - 23 • The SC Chair will request direction from the OPs regarding
24 the mechanism for approval and numbering of SC Library
25 documents.
 - 26 • Lengthy discussion were held regarding the OMA liaison
27 relationship and considerations of transfer of work to/shared work
28 with OMA. The decisions of that discussion were summarized by
29 two (2) documents prepared by Clif Barber (KDDI) as an action
30 from the SC meeting (SC ACTION 2003/10-07). Those
31 documents plus associated e-mail correspondences related to the
32 SC e-mail review of those documents are indicated in
33 C00-20031208-037. In C00-20031208-037F, the SC Chair
34 indicates that “<these> two documents should be on hold for final
35 approval but be dealt with as the working documents <and>
36 referred to as necessary for the on-going efforts concerning the
37 work relationship with OMA”.
 - 38 SC consideration on the TSG-X request to approve transfer of
39 MMS work to OMA was postponed until the next SC meeting in
40 February 2004.

1 The actions relative to TSG-C were noted as follows:

- 2 • A contribution regarding improvements to current 3GPP2 Practices
3 (C00-20031208-032A/SC-20031020-014R2) was presented from
4 Lucent and Nortel Networks. This contribution was remanded “to
5 all TSGs and to SC participants for consideration, noting that the
6 contribution was submitted as FYI” (SC ACTION 2003/10-09).

7 The following actions were directed relative to these contributions:

- 8 • The SC meeting summary of the October 2003 meeting in Kobe
9 (C00-20031208-032) was noted as FYI for the TSG.
- 10 • The SC remanded contribution regarding improvements to current
11 3GPP2 Practices (C00-20031208-032A/SC-20031020-014R2) was
12 presented from Lucent and Nortel Networks. The contribution was
13 left open until opening Plenary at the Portland meeting in January
14 2004.
- 15 • E-mail correspondence dated 3 November 2003 regarding TSG-X
16 request for WPD amendment (C00-20031208-041) was presented.
17 There was general consensus that the TSG-X proposal for 7 day
18 notice was inadequate. The Chair recommended that the TSG
19 support the retention of the 21-day notice requirement.

20 **DECISION: The TSG agreed without objection to support the**
21 **retention of the 21-day notice requirement for electronic TSG**
22 **meetings.**

23 **ACTION: The Secretary was directed to provide response**
24 **correspondence for consideration at the closing Plenary.**

- 25 • **ACTION: The e-mail correspondences regarding OMA liaison**
26 **relationship and considerations of transfer of work to/shared**
27 **work agreements (C00-20031208-037) was remanded to all**
28 **WGs as FYI.**

29 • 3GPP2 SECRETARIAT: The following contributions were discussed:

- 30 • E-mail correspondence regarding review and approval of C.S0048-0 v1.0
31 Mobile Equipment (ME) Conformance Testing for cdma2000 Spread
32 Spectrum Standard for publication (C00-20031208-004) was presented
33 from the 3GPP2 Secretariat. This contribution was noted as FYI for the
34 TSG.

- 35 • E-mail correspondence dated 3 November 2003 regarding update of
36 3GPP2 published material - cdma2000 footnote (C00-20031208-005) was
37 presented from the 3GPP2 Secretariat. This contribution was noted as
38 FYI for the TSG.

- 1 • TSG-A: No contributions.
- 2 • TSG-S: The TSG-S Liaison, Clif Barber (KDDI), provided the following verbal
3 report:
- 4 • A training session for the new 3GPP2 Publication Process Guidelines will
5 be held on Monday 8 December 2003 during the period of 5:30 to 7:30
6 PM local time.
- 7 **ACTION: Phil Brown (Ericsson) was requested to provide a**
8 **summary of this activity for closing Plenary.**
- 9 • A joint meeting of TSG-S WG1 and TSG-X ERA is scheduled for
10 Tuesday 9 December 2003 during the period of 7:00 to 8:00 AM to
11 consolidate the results of the review on the OMA PoC RD.
- 12 • The TSG-S OMA AdHoc will meet on Thursday 11 December 2003
13 during the period of 8:00 AM to NOON. Included in their agenda will be
14 final details for the 3GPP2/OMA Workshop.
- 15 **ACTION: Clif Barber (KDDI) was requested to provide a summary**
16 **of this activity for closing Plenary.**
- 17 • The 3GPP2/OMA Workshop will be held on Saturday 14 December 2003
18 during the period of 8:00 AM to 4:00 PM in the Haleakala 2/3 room.
- 19 **ACTION: Bob Marks (Samsung) was requested to provide a**
20 **summary of this activity for opening Plenary in January 2004.**
- 21 • TSG-X: The following contributions were discussed:
- 22 • Correspondence dated 17 October 2003 regarding IETF Draft Status
23 (C00-20031208-006) was presented from TSG-X. **ACTION: This**
24 **contribution was remanded to WG1 for review and action as**
25 **appropriate.**
- 26 • Correspondence dated 6 November 2003 regarding MMS Transcoding
27 Issues (C00-20031208-007) was presented from TSG-X. **ACTION: This**
28 **contribution was remanded to WG1 for review and action as**
29 **appropriate.**
- 30 • TR45: No contributions.
- 31 • ITU: No contributions.
- 32 • OMA: The following contributions were discussed:
- 33 • An OMA LS to 3GPP2 dated 22 October 2003 on principles for
34 overlapping issues with OMA regarding PoC (C00-20031208-008) was
35 presented from the OMA REQ WG. This LS requested comments on the
36 OMA PoC RD within the November 2003 timeframe. This contribution
37 was considered FYI for the TSG since it is a duplicate of C00-20031208-
38 035.

- 1 • An OMA LS to 3GPP2 dated 21 October 2003 on Secure Location
2 Services over IP (C00-20031208-009) was presented from the OMA
3 Location WG. This LS requested comments on OMA direction for Secure
4 Location Services over IP and 3GPP2 status of work in this area.
5 **ACTION: This contribution was remanded to WG1 for review and**
6 **action as appropriate.**
- 7 • An OMA to 3GPP2 dated 12 November 2003 on Latest Version of PoC
8 RD (C00-20031208-010) was presented from the OMA REQ WG. This
9 LS requests that comments on the OMA PoC RD refer to the attached
10 updated document. **ACTION: This contribution was remanded to**
11 **WG1 for review and action as appropriate.**
- 12 • An OMA LS to 3GPP2 dated 12 November 2003 on PoC Speech Codecs
13 (C00-20031208-011) was presented from the OMA PoC WG. This LS
14 requests that 3GPP2 to kindly provide the list of codecs suitable for PoC.
15 **ACTION: This contribution was remanded to WG1 for review and**
16 **action as appropriate.**
- 17 • An OMA LS to 3GPP SA4 and SA3 dated 30 October 2003 on issues on
18 DRM for PSS and MBMS streams (C00-20031208-012) was presented
19 from the OMA DONWLOAD+DRM group. **ACTION: This**
20 **contribution was remanded to WG1 as FYI.**
- 21 • An OMA LS to 3GPP SA4 and SA3 dated 12 November 2003 on issues
22 on DRM for PSS and MBMS streams (C00-20031208-013) was presented
23 from the OMA DONWLOAD+DRM group. **ACTION: This**
24 **contribution was remanded to WG1 as FYI.**
- 25 • An OMA LS dated 14 November 2003 about use of the R-UIM as a
26 platform for WAP Smart Card Provisioning (C00-20031208-014) was
27 presented from the OMA SMT Security group. This LS requests that
28 3GPP2 feedback on their smart card technology strategy. **ACTION:**
29 **This contribution was remanded to WG1 for review and action as**
30 **appropriate.**
- 31 • An OMA LS dated 4 December 2003 regarding PoC RD (C00-20031208-
32 033) was presented from the OMA REQ WG. This LS requests that
33 comments on the OMA PoC RD refer to the attached updated document.
34 **ACTION: This contribution was remanded to WG1 for review and**
35 **action as appropriate.**
- 36 • An OMA LS to TSG-S dated 21 November 2003 regarding Device
37 Management Automatic Detection (C00-20031208-034) was presented
38 from the OMA DM WG. This LS requests that 3GPP2 feedback on OMA
39 proposed device management strategy. **ACTION: This contribution**
40 **was remanded to WG1 for review and action as appropriate.**

- 1 • An OMA LS dated 22 October 2003 to 3GPP2 on principles for
2 overlapping issues with OMA regarding PoC (C00-20031208-035) was
3 presented from the OMA REQ WG. This LS requests that 3GPP2
4 feedback on 3GPP2 conferencing work, analyze potential impacts to
5 3GPP2 specifications to support the OMA PoC service enabler, and
6 provide comments on the PoC RD by 12 November 2003.

7 In addition, TSG-S correspondence dated 7 November 2003 in response to
8 this OMA LS is noted (C00-20031208-035A).

9 **ACTION: These contributions were remanded to WG1 for review
10 and action as appropriate.**

- 11 • Other: The following contribution was discussed:

- 12 • A 3GPP LS dated 28 November 2003 to 3GPP2 on Timed Text
13 (C00-20031208-029) was presented from the 3GPP SA4. This LS is in
14 response to the 17 October 2003 correspondence from TSG-C. **ACTION:**
15 **This contribution was remanded to WG1 for review and action as
16 appropriate.**

17 10. WORKING GROUP REPORTS:

- 18 • WG1 Chair, Phil Brown (Ericsson), noted the following status of the WG1
19 activities:
20 • An interim meeting was held to approve baseline text for a bug fix point
21 release for C.P0023-A R-UIM

22 **DECISION: C.P0023-A v1.2 R-UIM (C00-20031208-040) was approved
23 without objection as baseline text and remanded back to WG1 for V&V.**

- 24 • WG2 Chair, Orlett Pearson (Lucent), noted the following status of the WG2
25 activities:

26 **DECISION: Proposed correspondence to TSG-A regarding the Protocol
27 Alignment document (C00-20031208-022) was approved without objection
28 for transmission with its attachment.**

- 29 • WG3 Chair, Ed Tiedemann (QUALCOMM), noted the following status of the
30 WG3 activities:

- 31 • Many interim meetings were held to move HRPD Rev. A forward but
32 there will be no technical discussions on that document at this meeting.
33 WG3 will focus all technical discussions on cdma2000 Rev. D SDO
34 comment resolutions.
35 • Conference calls have been scheduled for Tuesday through Thursday of
36 next week.
37 • No meetings of calls will be scheduled for the period after 20 December
38 2003.

- 1 • WG4 Vice Chair, Dave Whipple (Agilent), noted that WG4 continues to progress
2 its work this week.
- 3 • Continuing to progress the work on C.P0043 for SDO review and C.P0044
4 for baseline text status.
- 5 • The TSG Chair strongly recommended that TSG-C participating
6 companies provide additional resources to WG4 to support their work
7 effort.
- 8 11. OLD BUSINESS:
- 9 • SDO review comments for cdma2000 Rev. D (C.P0001-D through C.P0016-D)
- 10 • SDO comments for cdma2000 Rev. D (C00-20031208-016) were
11 presented from Nortel Networks.
- 12 **ACTION: This contribution and all attachments were remanded to**
13 **WG2 and WG3 for review and action as appropriate.**
- 14 • SDO comments for cdma2000 Rev. D (C00-20031208-017) were
15 presented from Lucent.
- 16 **ACTION: This contribution and all attachments were remanded to**
17 **WG2 and WG3 for review and action as appropriate.**
- 18 • SDO comments for cdma2000 Rev. D (C00-20031208-018) were
19 presented from QUALCOMM.
- 20 **ACTION: This contribution and all attachments were remanded to**
21 **WG2 and WG3 for review and action as appropriate.**
- 22 • SDO comments for cdma2000 Rev. D (C00-20031208-019) were
23 presented from Motorola.
- 24 **ACTION: This contribution and all attachments were remanded to**
25 **WG2 and WG3 for review and action as appropriate.**
- 26 • SDO comments for cdma2000 Rev. D (C00-20031208-024) were
27 presented from LGE.
- 28 **ACTION: This contribution and all attachments were remanded to**
29 **WG2 and WG3 for review and action as appropriate.**
- 30 • SDO comments for cdma2000 Rev. D (C00-20031208-026) were
31 presented from RIM.
- 32 **ACTION: This contribution and all attachments were remanded to**
33 **WG2 and WG3 for review and action as appropriate.**
- 34 • SDO comments for cdma2000 Rev. D (C00-20031208-027) were
35 presented from Samsung.
- 36 **ACTION: This contribution and all attachments were remanded to**
37 **WG2 and WG3 for review and action as appropriate.**

- 1 • SDO comments for cdma2000 Rev. D (C00-20031208-030) were
2 presented from Nokia.
- 3 **ACTION: This contribution and all attachments were remanded to**
4 **WG2 and WG3 for review and action as appropriate.**
- 5 • SDO comments for cdma2000 Rev. D (C00-20031208-031) were
6 presented from ALLTEL.
- 7 **ACTION: This contribution and all attachments were remanded to**
8 **WG2 and WG3 for review and action as appropriate.**
- 9 • SDO comments for cdma2000 Rev. D (C00-20031208-042) were
10 presented from Ericsson. Since these were summary comments only, this
11 contribution was considered FYI for the TSG. Ericsson noted their intent
12 to submit their comments directly to WG2 and WG3.
- 13 • SDO comments for cdma2000 Rev. D (C00-20031208-043) were
14 presented from VIA Technologies.
- 15 **ACTION: This contribution and all attachments were remanded to**
16 **WG2 and WG3 for review and action as appropriate.**
- 17 • SDO review comments for C.P0022-A Location Services
- 18 • SDO comments for IS-801-A Location Services (C.P0022-A) (C00-
19 20031208-023) were presented from Kyocera. **ACTION: This**
20 **contribution and all attachments were remanded to WG1 for review**
21 **and action as appropriate.**
- 22 • SDO comments for IS-801-A Location Services (C.P0022-A) (C00-
23 20031208-025) were presented from SiRF Technologies. **ACTION:**
24 **This contribution and all attachments were remanded to WG1 for**
25 **review and action as appropriate.**
- 26 • SDO comments for C.S0022-A/IS-801-A (C00-20031208-028) were
27 presented from Motorola. **ACTION: This contribution and all**
28 **attachments were remanded to WG1 for review and action as**
29 **appropriate.**
- 30 • Both QUALCOMM and Lucent indicated that they did have comments on
31 the Location Services document but they will be submitted directly to
32 WG1.
- 33 • SDO review comments for C.P0057-0 Band Class Specification
- 34 • SDO comments for cdma2000 Band Class specification (C00-20031208-
35 020) were presented from QUALCOMM. **ACTION: This contribution**
36 **and all attachments were remanded to WG2 and WG3 for review and**
37 **action as appropriate.**

1 Since some companies have reserved the right to add comments until the actual TIA
2 ballot deadline, those companies were requested to clearly mark changes from the
3 submission they have made to this opening Plenary.

- 4 • Other: A contribution regarding an updated MS Word Template for 3GPP2
5 specifications (C00-20031208-015R1) were presented from CNP. There was
6 some concern expressed regarding the use of this template for documents that
7 already exist. The Editor confirmed the intent of this template was for new
8 documents. The Editor was invited to attend the TSG Chair's meeting on
9 Tuesday AM to discuss this issue. This document was left open at the Plenary
10 level pending additional review.

11 12. ITU PROCESS/APPROVAL: No contributions.

12 13. NEW BUSINESS: The following contributions were discussed:

- 13 • A contribution regarding interim meeting schedule and guidelines (C00-
14 20031208-038) were presented by ALLTEL. This contribution proposes a
15 moratorium on interim conference calls from 19 December 2003 through 5
16 January 2004. This contribution was left open at the Plenary level until the
17 closing Plenary pending consideration within the WGs.
- 18 • A contribution regarding + Code Dialing Implementation (C00-20031208-021)
19 were presented by CDG. Since there were no representatives from CDG present,
20 this contribution was left open at the Plenary level until the closing Plenary.

21 This session was recessed on 8 December 2003 at 12:02 PM local time.

23 INTERIM PLENARY

24 The meeting was reconvened on 9 December 2003 at 9:10 AM local time.

25 Quorum was established at the opening Plenary and not challenged at this time. No additional
26 3GPP2 individual member companies were noted in attendance.

27 14. OLD BUSINESS (continued):

- 28 • SDO review comments for cdma2000 Rev. D (C.P0001-D through C.P0016-D)
 - 29 • SDO comments for cdma2000 Rev. D (C00-20031208-042) were
30 reintroduced from Ericsson with full technical details. **ACTION: This**
31 **contribution and all attachments were remanded to WG2 and WG3**
32 **for review and action as appropriate.**
 - 33 • Updated SDO comments for cdma2000 Rev. D (C00-20031208-027R1)
34 were presented from Samsung. **ACTION: This contribution and all**
35 **attachments were remanded to WG2 and WG3 for review and action**
36 **as appropriate.**

- 1 • SDO review comments for C.P0022-A Location Services
- 2 • SDO comments for IS-801-A Location Services (C.P0022-A) (C00-
- 3 20031208-050) were presented from QUALCOMM. **ACTION: This**
- 4 **contribution and all attachments were remanded to WG1 for review**
- 5 **and action as appropriate.**
- 6 • SDO comments for IS-801-A Location Services (C.P0022-A) (C00-
- 7 20031208-051) were presented from Lucent. Lucent indicated that they
- 8 have voted NO with comment based on their opinion that the document
- 9 cannot be successfully evolved. **ACTION: This contribution and all**
- 10 **attachments were remanded to WG1 for review and action as**
- 11 **appropriate.**

12 The Chair stated his desire that all resolution of ballot comments should be completed by

13 the end of this week. However, he stressed full reliance on his WG and SWG Chairs to

14 insure that the quality of the specifications is not sacrificed. **ACTION: The Chair**

15 **directed that all WG Chairs to provide an estimate of how long they will need to**

16 **resolve all SDO comments on these documents.**

17 All of the cdma2000 operators expressing an opinion on this schedule, including Sprint,

18 KDDI, and ALLTEL indicated a strong preference for completion of resolution of SDO

19 comments by this week if at all possible. Both ALLTEL and Sprint stressed that the

20 quality of the standard is of the utmost importance.

21 This session was recessed on 9 December 2003 at 9:20 AM local time.

22

23 **CLOSING PLENARY**

24 The meeting was reconvened on 12 December 2003 at 8:50 AM local time.

25 Quorum was established at the opening Plenary and not challenged at this time. One (1)

26 additional 3GPP2 individual member company was noted in attendance.

27 15. WORKING GROUP REPORTS:

- 28 • WG1 REPORT: The WG1 report (C00-20031208-101) was presented by the WG1
- 29 Chair, Phil Brown (Ericsson), as FYI.
- 30 • Approved baseline text for C.P0015-B v1.5 (SMS revision).
- 31 • Approved SDO Review text for C.P0023-A v1.9 (R-UIM bug fix point release)
- 32 • Approved publication text for the following:
- 33 • C.S0028-A v1.0 (TTY MPS revision),
- 34 • C.S0030-0 v3.0 (SMV bug fix point release),
- 35 • C.S0045-0 v1.0 (MMS Media Formats and Codecs), and
- 36 • C.S0050-0 v1.0 (File Formats for Multimedia Services).

- 1 • Reviewed several liaisons from the OMA (regarding PoC, Secure Location
2 Services, Digital Rights Management, and WAP Smart Card Provisioning). Most
3 did not require a response, but the liaisons on PoC have been held open pending
4 final approval of the OMA PoC Requirements Document (at which time SWG1.1
5 will review the request for input on speech codecs for PoC).
- 6 • Approved several items of return correspondence (addressed to OMA and ITU-T
7 SG16) and new correspondence (addressed to TSG-X and TSG S) based on
8 review by the SWGs.
- 9 • Approved changing the name of SWG1.2 from "Video Services" to "Multimedia
10 Services" (and updating the SWG Terms of Reference to reflect recent work on
11 multimedia issues).
- 12 • The WG has identified an urgent need to establish a readily available 3GPP2 data
13 repository for codec simulations and test vectors. **ACTION: The Secretary**
14 **took the action to follow up with the 3GPP2 Secretariat regarding 3GPP2**
15 **website support.**

16 **DECISION: C.P0015-B v0.5 SMS revision (C00-20031208-114) was approved**
17 **without objection as baseline text and remanded back to WG1 for V&V.**

18 **DECISION: C.P0023-A v1.9 R-UIM bug fix point release (C00-20031208-115R1)**
19 **was approved without objection for SDO review and comment and liaised to**
20 **TR45.5.**

21 **DECISION: C.P0028-A v0.9 TTY MPS update (C00-20031208-116) was approved**
22 **without objection for publication as C.S0028-A v1.0.**

23 C.P0030-0 v2.9 SMV bug fix point release (C00-20031208-117) was held open at the
24 Plenary level pending completion of versions for SDOs other than TIA in a January 2004
25 timeframe.

26 **DECISION: C.P0045-0 v0.6 MMS formats and codecs (C00-20031208-118) was**
27 **approved without objection for publication as C.S0045-0 v1.0.**

28 **DECISION: C.P0050-0 v0.9 FFMS (C00-20031208-119) was approved without**
29 **objection for publication as C.S0050-0 v1.0.**

30 **DECISION: Proposed correspondence to ITU-T SG16 regarding basic operator's**
31 **library (C00-20031208-120) was approved without objection for transmission.**

32 **DECISION: Proposed correspondence to OMA regarding WAP Platform**
33 **(C00-20031208-121) was approved without objection for transmission.**

34 **DECISION: Proposed correspondence to TSG-X regarding clarification on use of**
35 **RFC 2002 (C00-20031208-122) was approved without objection for transmission.**

36 **DECISION: Proposed correspondence to TSG-S regarding Stage 1 review activity**
37 **for December 2003 (C00-20031208-123) was approved without objection for**
38 **transmission.**

- 1 • WG2 REPORT: The WG2 report (C00-20031208-102) was presented by the WG2 Vice
2 Chair, Michael Wang (Nortel Networks), as FYI.
- 3 • WG2 focus all efforts this week for Working Group 2 was to resolve the SDO
4 comments for C.P0003-D (MAC), C.P0004-D (LAC), C.P0005-D (L3), and
5 C.P0006-D (Analog) documents. SDO comment resolution is expected to be
6 completed no later than the closing plenary meeting in January 2004.
- 7 No action requested from Plenary. The Chair expressed his appreciation to the WG2
8 Vice Chair for his efforts this week.
- 9 • WG3 REPORT: The WG3 report (C00-20031208-103R1) was presented by the WG3
10 Chair, Ed Tiedemann (QUALCOMM) , as FYI.
- 11 • All of the SDO comments on C.P0057 have been reviewed. All were resolved
12 with the exception of one issue that is linked to an SDO comment on C.S0002-D
13 that needs to be resolved with SWG2.3.
- 14 • The main focus of WG3 this week was the resolution of SDO comments on
15 C.S0002-D. The WG initially identified the topics that companies considered to
16 be their main technical comments. There were 64 of these identified by the
17 companies. During this and the ensuing discussions, it was clear that a large
18 number of the SDO comments were in the following areas:
- 19 • ICCH definition and use
- 20 • Power control
- 21 • R-PDCH T/P ratios
- 22 The WG3 plan is to resolve all of the remaining major technical comments next
23 week (with the exception of the ICCH revisions).
- 24 • KDDI, Kyocera, and SKT submitted a contribution requesting that all
25 components for the HRPD physical layer be submitted by Tuesday, 17 December.
26 There were some objections to the contribution being presented. The Chair
27 allowed the contribution be presented but did not allow any discussion. The
28 Chair asked that all companies planning to submit component contributions must
29 discuss this with him before the WG3 conference call next Tuesday.
- 30 • After the official meeting ended, the ITU AdHoc group chair requested some time
31 (4 hours) at the January meeting to meet. A brief update on the status of 3GPP2
32 work will be prepared to be submitted to the February ITU WP 8F meeting.
- 33 No actions were requested from Plenary. The Chair stressed his gratitude for the efforts
34 of the WG3 Chair.
- 35 • WG4 REPORT: The WG4 report (C00-20031208-104) was presented by WG4 Vice
36 Chair, Dave Whipple (Agilent), as FYI.
- 37 • The WG acknowledged their error in not bringing C.P0032-0 and C.P0033-0 in
38 for publication in September 2003 after the TIA re-ballot produced no comments.
- 39 • The WG agreed on a set of work items/projects for which Plenary approval is
40 solicited.

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DECISION: C.P0032-0 v1.9 Recommended Minimum Performance Standards for cdma2000 High Rate Packet Data Access Network (C00-20031208-107) and C.P0033-0 v1.9 Recommended Minimum Performance Standards for cdma2000 High Rate Packet Data Access Terminal as C.S0032-0 v2.0 and C.S0033-0 v2.0.

DECISION: The proposed work item for Over-The-Air Interoperability Test Specification for cdma2000 Air Interface (C00-20031208-110) was approved without objection. C.P0058-0 was assigned to this project.

DECISION: Ancillary standards signaling conformance Work Item requests (C00-20031208-111) were approved without objection.. The following project numbers were assigned:

- **Signaling Conformance Test Specification for Location Services C.P0059-0**
- **Signaling Conformance Test Specification for Over-the-Air Service Provisioning C.P0060-0**
- **Signaling Conformance Test Specification for Short Message Service C.P0061-0**
- **Signaling Conformance Test Specification for Data Services C.P0062-0**

DECISION: C.P0044 Interoperability Test Specification for cdma2000 Air Interface (C00-20031208-109) was approved without objection as baseline text and remanded back to WG4 for V&V.

16. LIAISON REPORTS:

- 3GPP2 SECRETARIAT: The following contributions and actions were also noted:
 - E-mail correspondences regarding incorrect information on the 3GPP2 website regarding the publication of C.S0024 v1.0 HRPD (C00-20031208-105) was presented as FYI.
 - E-mail correspondences regarding incorrect information on the 3GPP2 website regarding the publication of C.S0022 Position Determination Service (C00-20031208-106) was presented as FYI.
- TSG-A: No additional contributions or discussions.
- TSG-S: The TSG-S Liaison Report (C00-20031208-124) was presented by the TSG-C Liaison, Clif Barber (KDDI), as FYI. In addition, the following contributions and actions were also noted:
 - **ACTION: Correspondence dated 11 December 2003 regarding Publication Numbering V&V (C00-20031208-125) from TSG-S was remanded to all WGs for review and comment with comments to be coordinated by WG1.**

- 1 • **ACTION: Correspondence dated 11 December 2003 regarding**
2 **SK-RAND and FML (C00-20031208-126) from TSG-S was remanded**
3 **to WG1 and WG2 for review and action as appropriate.**
- 4 • **ACTION: Correspondence dated 11 December 2003 regarding SK**
5 **counting (C00-20031208-127) was from TSG-S remanded to WG1 and**
6 **WG2 for review and action as appropriate.**
- 7 • **ACTION: Correspondence dated 11 December 2003 regarding SRTP**
8 **keys (C00-20031208-128) from TSG-S was remanded to WG1 and**
9 **WG2 for review and action as appropriate.**
- 10 • **ACTION: Correspondence dated 11 December 2003 regarding the**
11 **3GPP2 Vision document V&V (C00-20031208-129) from TSG-S was**
12 **remanded to all WGs for review and comment with comments to be**
13 **coordinated by WG1.**
- 14 • S.R0089-0 v1.0 MEID GHA Guidelines (C00-20031208-130) was noted
15 as FYI.
- 16 • S.R0093-0 v1.0 cdma2000 Measurement Types (C00-20031208-131) was
17 noted as FYI.
- 18 • S.R0097-0 v1.0 Publication Process Guidelines (C00-20031208-132) was
19 noted as FYI.
- 20 • S.S0086-0 v1.0 IMS Security Framework (C00-20031208-133) was noted
21 as FYI.
- 22 • **ACTION: Correspondence dated 11 December 2003 regarding**
23 **S.R0070-0 Process Guidelines V&V (C00-20031208-134) from TSG-S**
24 **was remanded to all WGs for review and comment with comments to**
25 **be coordinated by WG1.**
- 26 • TSG-X: No additional contributions or discussions.
- 27 17. OLD BUSINESS (continued):
- 28 • The Chair stated his schedule intentions as follows:
- 29 • cdma2000 Rev. D release for publication by closing Plenary in January
30 2004.
- 31 • HRPD Rev. A release of baseline text by closing Plenary in January 2004.
- 32 The Chair called for a conference call of TSG-C Chair's team to discuss these
33 schedules on Monday 22 December 2003 at 2:00 PM US east coast time.
- 34 • The 3GPP2 Publication Process training presentation (C00-20031208-113) was
35 presented as FYI by Phil Brown (Ericsson) acting as TSG-C Liaison to that
36 training session.

- 1 • The contribution regarding interim meeting schedule and guidelines
 2 (C00-20031208-038) presented by ALLTEL and held open from the opening
 3 Plenary was discussed. This contribution proposes a moratorium on interim
 4 conference calls from 19 December 2003 through 5 January 2004. KDDI offered
 5 an amendment to the recommendation to exclude the previously noted Chair's
 6 team conference call on 22 December 2003 from this decision and stated
 7 objection to the proposed a moratorium on interim conference calls without the
 8 amendment. **DECISION: TSG-C endorsed without objection the**
 9 **recommendations of this contribution with the exception that the previously**
 10 **noted Chair's team conference call on 22 December 2003 was exempted from**
 11 **this decision.**

12 18. NEW BUSINESS (continued):

- 13 • Proposed correspondence to the 3GPP2 Secretariat regarding TSG-C Response to
 14 TSG-X Proposal to Modify TSG Plenary Meeting Notice Leadtime (C00-
 15 20031208-112) was presented. **DECISION: The contribution was approved**
 16 **without objection for transmission.**

17 19. FUTURE MEETING SCHEDULE:

12-16 January 2004	Double Tree Portland - Lloyd Center in Portland, OR, USA
9-13 February 2004	Grand Intercontinental Seoul in Seoul, Korea
15-19 March 2004	The Fairmont Hotel Vancouver in Vancouver, BC, Canada

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 19 20. OPEN DISCUSSION AND OTHER BUSINESS: None.

20 21. ASSIGNMENTS: The open action items other than document remands were not
 21 discussed in the meeting but are noted below:

- 22 • The SC remanded contribution regarding improvements to current 3GPP2
 23 Practices (C00-20031208-032A/SC-20031020-014R2) was presented from
 24 Lucent and Nortel Networks. The contribution was left open until opening
 25 Plenary at the Portland meeting in January 2004.
- 26 • A contribution regarding an updated MS Word Template for 3GPP2
 27 specifications (C00-20031208-015R1) were presented from CNP. There was
 28 some concern expressed regarding the use of this template for documents that
 29 already exist. The Editor confirmed the intent of this template was for new
 30 documents. The Editor was invited to attend the TSG Chair's meeting on
 31 Tuesday AM to discuss this issue. This document was left open at the Plenary
 32 level pending additional review.
- 33 • A contribution regarding + Code Dialing Implementation (C00-20031208-021)
 34 were presented by CDG. Since there were no representatives from CDG present,
 35 this contribution was left open at the Plenary level until the closing Plenary.
- 36 • The Chair directed that all WG Chairs to provide an estimate of how long they
 37 will need to resolve all SDO comments on these documents.
- 38 • WG2 has estimated that "SDO comment resolution is expected to be
 39 completed no later than the closing plenary meeting in January 2004".

- 1 • WG3 has noted their plan to “to resolve all of the remaining major
2 technical comments next week (with the exception of the ICCH
3 revisions)”. However, the WG3 estimate on how long they will need to
4 resolve all SDO comments is still outstanding.
- 5 • The Secretary took the action to follow up with the 3GPP2 Secretariat regarding
6 3GPP2 website support for codec simulations and test vectors.
- 7 • C.P0030-0 v2.9 SMV bug fix point release (C00-20031013-117) was held open at
8 the Plenary level pending completion of versions for SDOs other than TIA in a
9 January 2004 timeframe.
- 10 22. ADJOURNMENT: The Plenary was adjourned on 12 December 2003 at 11:10 AM local
11 time.
- 12

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

NUMBER	SUBJECT	SOURCE
OPENING PLENARY - 3GPP2-C00-20031208-		
000	DOCUMENT REGISTER	SECRETARY
001	AGENDA	CHAIR
002	TSG-C Meeting Summary - October 2003 - Kobe, Japan	SECRETARY
003	E-mail correspondences regarding MPEG-4 Code Point Registration	SECRETARY
004	E-mail correspondence regarding review and approval of C.S0048-0 v1.0 Mobile Equipment (ME) Conformance Testing for cdma2000 Spread Spectrum Standard for publication	3GPP2 SECRETARIAT
005	E-mail correspondence dated 3 November 2003 regarding update of 3GPP2 published material - cdma2000 footnote	3GPP2 SECRETARIAT
006	Correspondence dated 17 October 2003 regarding IETF Drafts Status	TSG-X
007	Correspondence dated 6 November 2003 regarding MMS Transcoding Issues	TSG-X
008	LS to 3GPP2 dated 22 October 2003 on principles for overlapping issues with OMA regarding PoC	OMA REQ WG
009	LS to 3GPP2 dated 21 October 2003 on Secure Location Services over IP	OMA LOCATION WG
010	LS to 3GPP2 dated 12 November 2003 on Latest Version of PoC RD	OMA REQ WG
011	LS to 3GPP2 dated 12 November 2003 on PoC Speech Codecs	OMA PoC WG
012	LS to 3GPP SA4 and SA3 dated 30 October 2003 on issues on DRM for PSS and MBMS streams	OMA DOWNLOAD+DRM WG
013	LS to 3GPP SA4 and SA3 dated 12 November 2003 on issues on DRM for PSS and MBMS streams	OMA DOWNLOAD+DRM WG
014	LS dated 14 November 2003 about use of the R-UIM as a platform for WAP Smart Card Provisioning	OMA SEC
015	Updated MS Word Template for 3GPP2 specifications	CNP
016	SDO comments for cdma2000 Rev. D	NORTEL NETWORKS
017	SDO comments for cdma2000 Rev. D	LUCENT
018	SDO comments for cdma2000 Rev. D	QUALCOMM
019	SDO comments for cdma2000 Rev. D	MOTOROLA
020	SDO comments for cdma2000 Band Class specification	QUALCOMM
021	+ Code Dialing Implementation	CDG
022	Proposed correspondence to TSG-A regarding the Protocol Alignment document	WG2
023	SDO comments for IS-801-A Location Services (C.P0022-A)	KYOCERA
024	SDO comments for cdma2000 Rev. D	LGE
025	SDO comments for IS-801-A Location Services (C.P0022-A)	SiRF
026	SDO comments for cdma2000 Rev. D	RIM

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027	SDO comments for cdma2000 Rev. D	SAMSUNG
028	SDO comments for C.S0022-A/IS-801-A	MOTOROLA
029	Liaison to 3GPP2 on Timed Text	3GPP SA4
030	SDO comments for cdma2000 Rev. D	NOKIA
031	SDO comments for cdma2000 Rev. D	ALLTEL
032	SC meeting summary - 20 October 2003	3GPP2 SECRETARIAT
033	LS dated 4 December 2003 regarding PoC RD	OMA REQ WG
034	LS to TSG-S dated 21 November 2003 regarding Device Management Automatic Detection	OMA DM WG
035	LS dated 22 October 2003 to 3GPP2 on principles for overlapping issues with OMA regarding PoC	OMA REQ WG
036	TSG-C Meeting Summary - 7 November 2003 - Interim Conference Call	SECRETARY
037	E-mail correspondences regarding SC direction on OMA liaison relationship and shared work/transfer of work considerations	SECRETARY
038	December 2003 conference calls	ALLTEL
039	Interim meeting schedule and guidelines	VICE CHAIR
040	C.P0023-A v1.2 R-UIM proposed baseline text	WG1
041	E-mail correspondence dated 3 November 2003 regarding TSG-X request for WPD amendment	3GPP2 OP WPD ADHOC
042	SDO comments for cdma2000 Rev. D	ERICSSON
043	SDO comments for cdma2000 Rev. D	VIA TECHNOLOGIES
INTERIM PLENARY - 3GPP2-C00-20031208-		
050	SDO comments for IS-801-A Location Services (C.P0022-A)	QUALCOMM
051	SDO comments for IS-801-A Location Services (C.P0022-A)	LUCENT
CLOSING PLENARY - 3GPP2-C00-20031208-		
101	WG1 Report	WG1
102	WG2 Report	WG2
103	WG3 Report	WG3
104	WG4 Report	WG4
105	E-mail correspondences regarding incorrect information on the 3GPP2 website regarding the publication of C.S0024 v1.0 HRPD	SECRETARY
106	E-mail correspondences regarding incorrect information on the 3GPP2 website regarding the publication of C.S0022 Position Determination Service	SECRETARY
107	C.P0032-0 v2.0, Recommended Minimum Performance Standards for cdma2000 High Rate Packet Data Access Network proposed publication text	WG4
108	C.S0033-0, v2.0, Recommended Minimum Performance Standards for cdma2000 High Rate Packet Data Access Terminal proposed publication text	WG4

109	C.P0044 Interoperability Test Specification for cdma2000 Air Interface proposed baseline text	WG4
110	Over-The-Air Interoperability Test Specification for cdma2000 Air Interface proposed work item	WG4
111	Ancillary Standards Signaling Conformance Work Item Requests	WG4
112	Proposed correspondence to the 3GPP2 Secretariat regarding TSG-C Response to TSG-X Proposal to Modify TSG Plenary Meeting Notice Leadtime	SECRETARY
113	TSG-S Publication Process Training presentation	WG1 CHAIR
114	C.P0015-B v0.5 SMS revision proposed baseline text	WG1
115	C.P0023-A v1.9 R-UIM point release proposed SDO review text	WG1
116	C.P0028-A v0.9 TTY MPS update proposed publication text	WG1
117	C.P0030-0 v2.9 SMV point release proposed publication text	WG1
118	C.P0045-0 v0.6 MMS Formats and Codecs proposed publication text	WG1
119	C.P0050-0 v0.9 FFMS proposed publication text	WG1
120	Proposed correspondence to ITU-T SG16 regarding basic operator's library	WG1
121	Proposed correspondence to OMA regarding WAP Platform	WG1
122	Proposed correspondence to TSG-X regarding clarification on use of RFC 2002	WG1
123	Proposed correspondence to TSG-S regarding Stage 1 review activity for December 2003	WG1
124	TSG-S Liaison Report - December 2003	TSG-S LIAISON
125	Correspondence dated 11 December 2003 regarding Publication Numbering V&V	TSG-S
126	Correspondence dated 11 December 2003 regarding SK-RAND and FML	TSG-S
127	Correspondence dated 11 December 2003 regarding SK Counting	TSG-S
128	Correspondence dated 11 December 2003 regarding SRTP keys	TSG-S
129	Correspondence dated 11 December 2003 regarding 3GPP2 Vision document	TSG-S
130	S.R0089-0 v1.0 MEID GHA Guidelines	TSG-S
131	S.R0093-0 v1.0 cdma2000 Measurement Types	TSG-S
132	S.R0097-0 v1.0 Publication Process Guidelines	TSG-S
133	S.S0086-0 v1.0 IMS Security Framework	TSG-S
134	Correspondence dated 11 December 2003 regarding S.R0070-0 Process Guidelines V&V	TSG-S

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3GPP2 QUORUM ROLL CALL						
TSG-C (CDMA2000)						
12-Dec-03						
COMPANY	Attendance 12/08/2003	Attendance 12/09/2003	Attendance 12/12/2003	Consecutive Mtgs Missed	Voting Status	Quorum Status at Mtg Start
ACCESS				1	0	0
AGILENT TECHNOLOGIES	1			0	1	1
ALLTEL	1			0	1	1
BELL MOBILITY				3	0	0
DOCOMO US LABORATORIES	1			0	1	1
ERICSSON	1			0	1	1
ETRI			1	2	0	0
FUJITSU	1			0	1	1
GEMPLUS	1			1	1	1
HITACHI	1			0	1	1
HUAWEI				0	0	0
HYUNDAI				3	0	0
KDDI	1			0	1	1
KT FREETEL				2	1	1
KYOCERA	1			0	1	1
LG ELECTRONICS	1			0	1	1
LG TELECOM				1	1	1
LUCENT	1			0	1	1
MOTOROLA	1			0	1	1
NEC				3	0	0
NEXTEL	1			1	1	1
NEXTREAMING				1	1	1
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
SCHLUMBERGERSEMA	1			1	1	1
SIERRA WIRELESS				3	0	0
SIRF TECHNOLOGY	1			0	1	1
SK TELECOM	1			2	1	1
SPIRENT COMMUNICATIONS	1			0	1	1
SPRINT PCS	1			0	1	1
TEXAS INSTRUMENTS	1			0	1	1
TOSHIBA	1			0	1	1
VERIZON WIRELESS				1	1	1
VIA TELECOM	1			0	1	1
ZTE	1			0	1	1
TOTALS	28	0	0		32	32
QUORUM CALCULATION	88%	0%	0%			
ADDITIONS						
OBSERVERS AND GUESTS						

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 if they attend the next mtg
 - P = proxy letter in force