

1 **Title:**

2 Approved Meeting Summary of 3GPP2 TSG-C Meetings for 23-27 October 2000 in Kyoto, Japan

3 **Source:**

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5 SECRETARY

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8 **Abstract:**

9 This document is a summary of the discussions from the 23-27 October 2000 meetings of 3GPP2
10 TSG-C in Kyoto, Japan.

11 **Recommendation:**

12 Review and adopt.

13

14 **Notice:**

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1 During the period of 23-27 October 2000, 3GPP2 TSG-C meetings were held at the Kyoto
2 Internaitonal Conference Center in Kyoto, Japan. 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 11:10 AM local time on 23 October 2000 by TSG-C Chair, Jean Alphonse (Lucent).

8 The Secretary noted that he had received e-mail directions indicating that KDDI should replace
9 DDI in the rolls and that both KDD and IDO should be eliminated.

10 2. ATTENDANCE REGISTRATION AND ROLL CALL: A roll call of companies indicated
11 that 29 companies included on the list of 37 active members were present and thus quorum was
12 established (78% participation).

13 3. INTRODUCTION AND NUMBERING OF CONTRIBUTIONS: Contributions were
14 loaded onto the network server and listed in the document register (C00-20001023-000R1).

15 4. AGENDA APPROVAL: The proposed agenda (C00-20001023-001) was presented and
16 approved without objection as modified by the discussion (C00-20001023-001R1).

17 5. ASSIGNMENTS OF CONTRIBUTIONS TO AGENDA ITEMS: Contributions were
18 assigned to agenda items.

19 6. APPROVAL OF PREVIOUS MEETING SUMMARY: The summary of the
20 September 2000 meetings in Seoul, Korea (C00-20001023-002) was presented and
21 approved without objection as modified by the discussion (C00-20001023-002R1).

22 7. CORRESPONDENCE

23 • Correspondence dated 4 October 2000 from ITU-R regarding updating of
24 recommendations to ITU-R M.1457 (C00-20001023-004) was presented. This
25 contribution was remanded to WG3 as FYI.

26 • Correspondence dated 18 October 2000 from the 3GPP2 ITU Liaison, John Visser
27 (Nortel Networks), regarding the Q.1701 supplement roadmap (C00-20001023-005)
28 was presented as FYI.

29 • Correspondence dated 28 September 2000 from 3GPP2 RSPC Coordinator, Yunsong
30 Yang (Lucent), regarding the RSPC update submission to ITU-R (C00-20001023-
31 006) was presented as FYI.

32 • Correspondence dated 12 October 2000 from the 3GPP2 Secretariat regarding the
33 contractually confirmed year 2001 meetings (C00-20001023-007) was presented.
34 NEC indicated that the TSG-P meeting scheduled for February 2001 in Auckland, NZ
35 would be changed. This contribution was remanded to WG1 as FYI.

- 1 • A proposal from the 3GPP2 Delegation to the OP Finance Committee for a Document
2 Coordinator staff person (C00-20001023-009) was presented as FYI.
- 3 • A contribution on teleconference issues related to 1xEV-DO (C00-20001023-020)
4 was presented by KDDI. Issues of concern to Japanese CDMA operators were
5 identified based in part on Japanese regulatory issues. This contribution was remanded
6 to WG1 and WG2 for action as appropriate.
- 7 • Correspondence dated 23 October 2000 from ARIB requesting clarifications on
8 minimum performance specifications C.S0010-A and C.S0011-A (C00-20001023-
9 021). The items identified for clarification were indicated as follows:
- 10 • Transmitter conducted spurious emission (Mobile station/Base station)
11 • Single tone desensitization (Mobile station/Base station)
12 • Schedule for completion of the specific 'value' determination in the minimum
13 performances
- 14 This contribution was remanded to WG4 for response by the closing Plenary.
- 15 • Proposed modifications to frequency requirements related to the JTACS band in
16 C.S0010-A (C00-20001023-0023) and C.S0011-A (C00-20001023-024) were
17 presented by ARIB. These contributions were remanded to WG3 for review and
18 action as appropriate.
- 19 8. LIAISON REPORTS:
- 20 • The 3GPP2 workplan v21 draft which included requested changes by TSG-C (C00-
21 20001023-008) was presented by the TSG-S Liaison. This contribution was
22 remanded to WG1 for review and comment as appropriate.
- 23 • The TSG-S approved S.R0026 1xEV-DV Stage 1 Requirements (C00-20001023-
24 010) were presented. This contribution was remanded to WG5 for action as
25 appropriate.
- 26 9. OLD BUSINESS
- 27 • A 1xEV-DV proposal entitled "Solutions toward Advanced Platform for High Data
28 Rate Evolution (SAPHIRE) (C00-20001023-012) was presented by Samsung. The
29 key concepts of this proposal were indicated as follows:
- 30 • Multiple transport paths to perform QoS control utilizing inter-service,
31 inter-media, and intra-media QoS parameters.
- 32 • Quality-controlled initial transmission
- 33 • Retransmission with or without quality control
- 34 • Retransmission with Multiple Quality Control (MQC) offers throughput gain
- 35 • Works both on Forward and Reverse Link

1 This proposal is based on Hybrid ARQ. The following peak data rates were projected:

- 2 • 2.45 Mbps Forward Link
- 3 • 614.4 Kbps Reverse Link

4 This proposal adds the following channels:

- 5 • Shared Packet Control Channel Forward link
- 6 • Shared Packet Power Control Channel Forward link
- 7 • Shared Packet Data Channel Forward link
- 8 • Reverse Packet Data Channel Reverse link

9 This contribution was remanded to WG5 for action as appropriate.

- 10 • A contribution entitled “Enabling the Portable Internet Access Market with I-CDMA”
11 (C00-20001023-013) was presented by Tantivy Communications. This contribution
12 provided Tantivy’s overview of market requirements and segments. It indicated that
13 I-CDMA (Tantivy’s technology) is optimized for portable (as opposed to high mobility)
14 internet-centric applications and is based, at least in part, on the following:

- 15 • Adaptive antenna array
- 16 • Interference rejection at cell edges

17 This contribution was submitted as FYI only and not intended to be considered in WG5
18 deliberations for 1xEV-DV at this time.

- 19 • A contribution entitled “For a Timely and Meaningful Release B” requesting TSG-C to
20 provide at least one (1) solution for dropped calls in Release B (C00-20001023-015)
21 was presented by Motorola as FYI. Sprint PCS also indicated their support of this
22 request against the TSG-C standing requirement for enhancements in dropped call
23 performance. The contribution was remanded to both WG1 and WG2, also as FYI.

- 24 • A summary of the TSG-C Leadership Committee meeting regarding two (2) signaling
25 issues associated with the Position Determination Services Addendum C.S0022-0-1
26 (C0020001023-003) was presented by the Chair.

- 27 • In a point of order objection, questions from LinkAir concerning the origin and
28 authority of the Leadership Committee were raised as follows:

- 29 1. What TSG-C action established a Leadership Committee?
- 30 2. What is its membership and what is its charter?
- 31 3. If such a Leadership Committee was established, how does its powers
32 relate to the known organization of TSG-C?
- 33 4. Where in meeting reports is it documented that a Leadership Committee
34 has been organized with decision-making powers?

1 LinkAir explained its concern that the words "overriding the WG decision..."
2 indicated that the Leadership Team had acted in a decision-making mode,
3 interposing itself organizationally between the working groups and the TSG-C
4 Plenary; this assumption of decision-making authority could later impact other
5 activities, such as LAS-CDMA.

6 The Chair referred to Paragraph III of section 4.1 Process Description of the
7 "Bug Fix Rules" (C00-20000710-013R1) for the legitimacy of the Leadership
8 Team. The chair also indicated that his intention in invoking a Leadership Team
9 was for advisory purposes only. In view of the Chair's reassurance, LinkAir
10 withdrew its point of order.

- 11 • A motion was made by Lucent and duly seconded that the Plenary revoke its
12 approval of the "Bug Fix Rules" (C00-20000710-013R1) since these rules
13 have caused so much turmoil in adhering to this process. Since there were
14 objections noted, a vote was taken as summarized below:

15 • IN FAVOR	3
16 • AGAINST	9
17 • ABSTAIN	15

18 The vote was declared invalid based on the number of abstentions exceeded the
19 number of votes for or against. Therefore, the motion failed.

- 20 • The Chair stated his intent to setup an AdHoc to review the "Bug Fix Rules" to
21 clarify areas of concern identified in these discussions and that he (the TSG-C
22 Chair) would act as the AdHoc Chair.

23 10. WORKING GROUP REPORTS:

- 24 • A report from WG4 (C00-20001023-017) was presented by the WG4 Vice Chair,
25 Dave Whipple (Agilent Technologies) as FYI.

26 Proposed baseline text for C.S0010-A (C00-20001023-018) and C.S0011-A (C00-
27 20001023-019) was presented. Both of these documents approved without objection
28 as baseline text and remanded to V&V. ARIB did not object based on the WG4 intent
29 to address their concerns related to Japanese radio regulations as V&V issues.

- 30 • WG1 Vice Chair, Mitch Tseng (Nokia), indicated verbally that WG1 had completed
31 work on C.S0023-1 R-UIM Addendum (C00-20001023-022). This document was
32 approved without objection as baseline text and remanded to V&V.

33 11. NEW BUSINESS

- 34 • A contribution which reminded the TSG that 3GPP2 document numbers for
35 performance specifications for access networks and access terminals that are compliant
36 with 3GPP2 C.S0024 1xEV-DO were required (C00-20001023-011) was presented
37 by QUALCOMM. This contribution was remanded to the Secretary for action.

38 The meeting was recessed on 23 October 2000 at 4:10 PM local time.

1

2 **INTERIM PLENARY**

3 The Plenary was reconvened on 25 October 2000 at 5:40 PM local time. Quorum had been
4 established at opening Plenary and was not challenged for this session.

5 9. OLD BUSINESS (continued)

6 • The summary of the TSG-C Leadership Committee meeting (C00-20001023-003)
7 was withdrawn.

8 • The process to be used in the review of the Position Determination Services Addendum
9 C.S0022-0-1 issues was reviewed (C00-20001023-041) and the discussions
10 proceeded as documented in C00-20001023-041R2.

11 • A contribution on the need to restore Pilot Phase Measurement Report messages
12 including all pilot strengths (C00-20001023-042) was presented by Lucent. This
13 contribution recommended the addition of the pilot strengths for non-serving pilots to
14 the Pilot Phase Measurement Report message based on the fact that the location
15 technique AFLT does not work properly without this information. During the
16 discussion, the definition of non-serving pilot was confirmed as “all pilots above T_{add} in
17 the active set and the neighbor set excluding the reference pilot”.

18 • SiRF Technology presented an opposing view indicating that this strategy had
19 been considered by the experts in WG2 for a substantial period of time and the
20 WG had decided against supporting this capability.

21 • Sprint PCS indicated strong support for the addition of the pilot strengths as a
22 means of allowing carriers a greater choice of location technologies.

23 • Motorola presented their position in a contribution entitled “Comment 11:
24 Enhancement, not a bug.” (C00-20001023-044). This contribution stressed
25 that the addition of the pilot strengths would be an enhancement and should not
26 be included in the Location Services Addendum. They also provided several
27 additional reasons for their position against the recommendation.

28 • QUALCOMM commented that the location services standard was intended to
29 support a set of location techniques including AFLT.

30 With regard to the question “Should the pilot strengths of the non-serving pilots be
31 added to the Pilot Phase Measurement Response Element in C.S0022-0-1?”, the
32 following vote was noted:

33 • FOR 15
34 • AGAINST 2
35 • ABSTAIN 10

36 The vote passed by the following rulings:

- 1 • Valid vote: More than 50% (63%) of the members present who were eligible
2 to vote did cast votes for or against .
- 3 • Of the votes cast for or against, more than 71% (88%) of the votes were cast in
4 favor of the recommendation.
- 5 • A contribution entitled “IS-801 Release 0 Bugs” (C00-20001023-042) was presented
6 by QUALCOMM. This contribution recommended that GPS Almanac correction be
7 made a mandatory requirement for the PDE.
- 8 • SiRF Technologies indicated that C.S0022 has been published for over a year
9 and GPS Almanac correction support has been indicated as optional for the
10 PDE for that time. SiRF indicates that substantial effort would be required to
11 now add this support. They also indicated that there should be no
12 interoperability issues for the mobile since, based on the fact the GPS Almanac
13 support is listed as optional in the PDE, no C.S0022 compliant mobile should
14 ever be designed with GPS Almanac support as their only means of location
15 support.
- 16 • Lucent indicated agreement with the QUALCOMM assertion that the omission
17 of making GPS Almanac support mandatory in the PDE was an editorial error
18 and they further indicated that the omission should be corrected.
- 19 • Sprint PCS indicated strong support for making GPS Almanac support
20 mandatory in the PDE strengths as a means of allowing carriers a greater choice
21 of location technologies.
- 22 • Motorola indicated this change will have a strong complexity impact on the PDE
23 and, thus, should not be considered an editorial oversight. In addition, this issue
24 was reviewed by WG2 and the optionally of this feature was confirmed so that
25 they do not consider this to be an oversight.

26 With regard to the question “Should GPS Almanac support be made mandatory for the
27 PDE in C.S0022-0-1?”, the following vote was taken:

- 28 • FOR 11
- 29 • AGAINST 7
- 30 • ABSTAIN 9

31 The vote failed based on the following rulings:

- 32 • Valid vote: More than 50% (67%) of the members present who were eligible
33 to vote did cast votes for or against
- 34 • Of the votes cast for or against, less than 71% (61%) of the votes were cast in
35 favor of the recommendation.
- 36 • Based on the outcomes of these votes, the Chair directed that WG2 include the pilot
37 strengths of non-serving pilots into the Pilot Phase Measurement Response Element in
38 C.S0022-0-1.

- 1 • The proposed TSG-C comments on the All IP Workplan (C00-20001023-040) were
2 presented from WG1 by the All IP Liaison. This document was approved without
3 objection for forwarding to the All IP AdHoc as modified (C00-20001023-040R1)
4 with the addition of the following text: “While TSG-C recognizes differences in the
5 legacy packet core networks of 3GPP and 3GPP2, TSG-C would like for the All IP
6 development effort to strive for as much commonality as possible between the two (2)
7 All IP Network architectures.”
- 8 • WG3 indicated that it does not have technical consensus on how to implement the
9 “rescue channel” concept to enhance the dropped call performance of the cdma2000
10 Release B systems but there is general consensus within the WG regarding selecting a
11 single proposal to support in this area. In addition, there is strong carrier support for the
12 inclusion of this capability. There are three (3) separate proposals under consideration
13 by the WG from Motorola, Denso, and Lucent respectively. WG3 recommend a delay
14 of the schedule for Release B by one (1) month to allow review of associated issues for
15 the selection of a proposal. If a decision cannot be reached by the WG within that
16 period, a vote would be taken at the Plenary level at Kauai meeting. Proponents must
17 be prepared with drop-in text so that the Release B text can be approved as baseline
18 for V&V in December and be ready for publication in January 2001. The TSG
19 approved this recommended strategy and Release B schedule slip without objection.
- 20 • WG3 indicated that they have completed all other Release B activities under their
21 responsibility except that they could not reach consensus on the inclusion of
22 Intergenerational Soft Handoff.
- 23 • LSI Logic has submitted the only technical proposal for this capability under
24 consideration in WG3 and they indicated their recommendation for the inclusion
25 of this capability as an option for both the MS and the BS.
- 26 • QUALCOMM indicated their opposition to the LSI Logic proposal since
27 WG3 has not determined that it will actually solve the problem.

28 The WG3 Chair noted the results of the straw poll within the WG as two (2) in favor of
29 inclusion of the LSI Logic proposal in Release B and five (5) against.

30 After these discussions, LSI Logic withdrew its proposal from consideration in
31 Release B. As such, support for inter-generational handoff will not be available in
32 Release B.

33 The meeting was recessed on 25 October 2000 at 7:30 PM local time.

35 CLOSING PLENARY

36 The Plenary was reconvened on 27 October 2000 at 9:50 AM local time. Quorum had been
37 established at opening Plenary and was not challenged for this session.

- 1 • The Chair noted the following changes in the Release B schedule:
- 2 • Baseline text 5 January 2001 (Interim Plenary conference call)
- 3 • Publication 19 January 2001 (closing Plenary in San Diego)
- 4 10. WORKING GROUP REPORTS (continued):
- 5 • WG1 REPORT (C00-20001023-101) was presented by the WG1 Chair, Phil Brown
- 6 (Ericsson), as FYI.
- 7 • Additional requirements were developed for 1xEV-DO based on a contribution
- 8 from KDDI. Those requirements will be forwarded to TSG-S for inclusion in
- 9 the S.R0023 1xEV-DO Stage 1.
- 10 • Reviewed All IP AdHoc workplan and generated a response to the AdHoc that
- 11 was previously approved in the Interim Plenary.
- 12 • Approved updates to the TSG-C Release B Workplan and generated feedback
- 13 to TSG-S regarding the 3GPP2 Release B workplan.
- 14 • SWG1.1 met last week in Cancun, Mexico and continued their development of
- 15 the SMV specifications. The SMV development schedule remains intact.
- 16 • SWG1.2 continued their work on the video services specifications including
- 17 generation of response correspondence to ITU-T Q.17/SG6. The issue of
- 18 identifying a non-speech codec for high-fidelity audio was deferred from
- 19 Release B and left for long-term study. They also confirmed their commitment
- 20 to use H.263 as the mandatory codec for video conferencing and video
- 21 streaming services.
- 22 • SWG1.3 continued development of C.S0017-A.4. Members of the SWG
- 23 again were reminded to verify that existing implementations of service options 4
- 24 and 5 are equivalent to implementations of service options 4100 and 4101, and
- 25 that implementations of service options 7 and 8 are equivalent to
- 26 implementations of service options 4103 and 4104. To date the SWG has not
- 27 received notice that this is untrue for any implementation. Thus, the SWG
- 28 continues to assume that all implementations support SO 4 and 5 identically to
- 29 SO 4100 and 4101, and all implementations support SO 7 and 8 identically to
- 30 SO 4103 and 4104.
- 31 • SWG1.4 Chair, Eshwar Pittimpalli of Lucent announced his resignation as
- 32 SWG4 Chair. Ken Wells of Motorola, the current Vice-Chair, has agreed to
- 33 serve as interim Chair until a replacement can be named. Drafted
- 34 correspondence to CDG requesting guidance and clarification on FCC
- 35 Article 22 (i.e., to address the issue of association of the ESN with mobile
- 36 equipment (ME)).
- 37 • SWG1.5 updated the TSG-C Release B workplan and developed feedback on
- 38 the 3GPP2 Release B workplan for TSG-S.

1 Correspondence to ETSI EP-SCP (new SMG-9) proposing establishment of a formal
2 liaison to promote R-UIM global harmonization (C00-20001023-110) was presented.
3 This contribution was approved without objection for transmission to ETSI EP-SCP.

4 A proposed liaison statement to TSG-S regarding new 1xEV-DO requirements
5 (C00-20001023-114) was presented. This contribution was approved without
6 objection for liaison to TSG-S. In addition, it was also approved to be liaised to
7 TSG-A since that group may also be impacted. The TSG-S Liaison also noted that a
8 conference line had been established to allow TSG-C members to participate in the
9 1xEV-DO discussions on 30 October 2000 at 8:00 PM East Coast time
10 (31 October 2000 at 10:00 AM in Japan). The call in number is (630) 979-0100 and
11 the conference code is 688615.

12 Proposed correspondence to ITU-T Q.17/SG16 regarding video codec issues
13 (C00-20001023-115) was presented. This correspondence in response to previous
14 correspondence from that group. This correspondence was approved without
15 objection for transmission.

16 The updated TSG-C Release B Workplan (C00-20001023-116) was presented and
17 the changes were reviewed. This updated workplan was adopted without objection.

18 The TSG-C feedback to TSG-S related to the draft v21 of the 3GPP2 Release B
19 Workplan (C00-20001023-118) was presented. This contribution was approved
20 without objection for liaison to TSG-S.

21 Proposed correspondence to CDG requesting their guidance and clarification on the
22 usage of ESN as indicated in FCC Article 22 (C00-20001023-119) was presented.
23 This contribution was approved without objection for transmission to CDG.

- 24 • WG2 REPORT (C00-20001023-102) was presented by WG2 Vice Chair, Michael
25 Wang (Nortel Networks), as FYI:
 - 26 • Generated correspondence to 3GPP2 ITU Liaison, John Visser (Nortel
27 Networks), related to the Q.1701 supplement.
 - 28 • Completed work on the following documents:
 - 29 • C.S0003-A-1 MAC Release A Addendum
 - 30 • C.S0004-A-1 LAC Release A Addendum
 - 31 • C.S005-A-1 Layer 3 Release A Addendum
 - 32 • C.S0022-0-1 Position Determination Services Addendum including the
33 addition of text regarding the non-serving pilot strengths as approved at
34 the Interim Plenary
 - 35 • C.S0024 1xEV-DO Signaling
 - 36 • The WG2 Chair noted sincere gratitude to several persons and the entire WG2
37 membership for a job well done.

1 Correspondence to 3GPP2 ITU Liaison, John Visser (Nortel Networks), related to the
2 Q.1701 supplement (C00-20001023-111) was presented. This contribution was
3 approved without objection for transmission.

4 C.S0022-0-1 Position Determination Services Addendum (C00-20001023-113) was
5 presented. This documented was approved without objection as baseline text pending
6 editorial changes for 3GPP2 format and was remanded to V&V. The TIA version
7 (TIA/EIA/IS-801-1) was liaised to TR45.5.

8 C.S0003-A-1 MAC Release A Addendum v2 (C00-20001023-123) was presented.
9 This contribution was approved without objection for publication pending editorial
10 changes for 3GPP2 format. The TIA version (TIA/EIA/IS-2000.3-A-1) was liaised to
11 TR45.5.

12 C.S0004-A-1 LAC Release A Addendum v2 (C00-20001023-124) was presented.
13 This contribution was approved without objection for publication editorial changes for
14 3GPP2 format. The TIA version (TIA/EIA/IS-2000.4-A-1) was liaised to TR45.5.

15 C.S0005-A-1 Layer 3 Release A Addendum v2 (C00-20001023-125) was
16 presented. This contribution was approved without objection for publication pending
17 editorial changes for 3GPP2 format. The TIA version (TIA/EIA/IS-2000.5-A-1) was
18 liaised to TR45.5.

19 An overview of the WG2 response (C00-20001023-126) to concerns expressed in the
20 KDDI correspondence related to 1xEV-DO requirements was presented as FYI.

21 Correspondence to TSG-A regarding 1xEV-DO requirements (C00-20001023-128)
22 was presented. This contribution was approved without objection for transmission as
23 modified editorially by the discussion (C00-20001023-128R1).

24 The SWG2.2 Vice Chair, Doug Knisley (Lucent), expressed sincere gratitude to the
25 1xEV-DO Signaling Editor, Ramin Rezaifar (QUALCOMM), for his efforts “above
26 and beyond” in the completion of the 1xEV-DO signaling text.

27 KDDI also expressed sincere gratitude to the TSG for their responsiveness to the
28 KDDI requirements.

- 29 • WG3 REPORT (C00-20001023-103) was presented by WG3 Chair, Ed Tiedemann
30 (QUALCOMM):
 - 31 • Completed resolution of all TIA ballot comments for the 1xEV-DO
32 specification.
 - 33 • Completed resolution of TIA ballot comments for the Release A Addendum for
34 the Physical Layer specification and also resolved ARIB comments on band
35 class 3.

- 1 • Agreed to include two (2) new items in Release B:
- 2 • Lower code rates for SCH flexible/variable rate operation instead of
- 3 symbol repetition. This is only used for Turbo codes with RC4 and 5
- 4 (on the forward link). This is an optional capability that can be used
- 5 instead of the Release A capability.
- 6 • The softest handoff method. This is an optional capability that is used
- 7 with the F-SCH when Turbo coding is used.
- 8 • The following items will not be included in Release B:
- 9 • dynamic T_TDROP
- 10 • inter-generational soft handoff
- 11 • Continued discussions on “rescue channel” support
- 12 C.S0024 1xEV-DO v2 including both physical layer and signaling text
- 13 (C00-20001023-112) was presented. This contribution was approved without
- 14 objection for publication. The TIA version (TIA/EIA/IS-856) was liaised to TR45.5.
- 15 C.S0002-A-1 Physical Layer Release A Addendum v2 (C00-20001023-117) was
- 16 presented. This contribution was approved without objection for publication. The TIA
- 17 version (TIA/EIA/IS-2000.2-A-1) was liaised to TR45.5.
- 18 • WG4 REPORT (C00-20001023-104) was presented by Geoff Cheadle (LinkAir) on
- 19 behalf of WG4 Chair, Jason Losh (Motorola):
- 20 • Work on C.S0010-A BS Minimum Performance Specification
- 21 (TIA/EIA-97-D) was completed.
- 22 • Work on C.S0011-A MS Minimum Performance Specification
- 23 (TIA/EIA-98-D) could not be completed. Based on the required schedule for
- 24 release of this document, an interim Plenary was requested for 27 November
- 25 2000 to approve this document.
- 26 • A Liaison Statement from ETSI TFES regarding comments in relation to the
- 27 liaison statement sent by ITU WP 8F to ETSI on measurement uncertainties
- 28 (C00-20001023-122) was presented. This document is remanded to WG4 for
- 29 action as appropriate.
- 30 Based on the request for an Interim Plenary by WG4, the TSG-C Chair noted that an
- 31 interim Plenary will be scheduled for 27 November 2000 at 7:00 PM to approve
- 32 C.P0011-A MS Minimum Performance Specification (TIA/EIA-98-D) and
- 33 C.S0016-A OTASP Addendum (TIA/EIA-683-B).
- 34 • WG5 REPORT (C00-20001023-105) was presented by WG5 Co-Chair, Ed
- 35 Tiedemann (QUALCOMM):
- 36 • The Scheduling AdHoc group reported the following:
- 37 • An updated process flow diagram has been developed.

- 1 • Cutoff date for framework proposals (i.e., proposals for complete
2 1xEV-DV designs) has been set as 4 December 2000.
- 3 • Target date for receipt of core components has been set for 15 January
4 2001 with cutoff set at 15 February 2001.
- 5 • Target date for completion of the WG5 technology assessment has
6 been set for 15 April 2001 but should be no later than 18 May 2001.
- 7 • A process which will categorize certain component parts of the
8 specification will be forwarded to the WGs at the appropriate time.
- 9 • WG5 agreed to the following outputs:
 - 10 • 1xEV DV framework description
 - 11 • 1xEV DV phase 2 proposal (update of framework description)
 - 12 • Description of requirements that are believed to have been met or not
13 met in framework
 - 14 • Description of requirements that are believed to have been met or not
15 met in 1xEV DV phase 2 proposal (update of framework description)
 - 16 • Analysis of expected performance
 - 17 • Components that are not deemed to be core (e.g., can be integrated in
18 Working Group 2 and 3)
- 19 • In response to concerns that a synthesis of the proposals may not meet the
20 TSG-S Stage 1 requirements, the WG agreed that, in this case, an appropriate
21 report will be delivered to the Plenary along with associated information related
22 to technical trade-offs. One (1) of the decisions that also must be made at that
23 time is whether or not the process will be opened to new proposals.
- 24 • Performance Evaluation AdHoc indicated that some agreements have been
25 reached but additional issues are still under consideration.
- 26 • A new AdHoc has been formed to generate a decision criteria for the WG5
27 activities. Eric Jacks (LinkAir) was named as the AdHoc Chair.
- 28 • V&V REPORT (verbal) was presented by V&V Vice Chair, Geoff Cheadle (LinkAir):
 - 29 • C.S0016-A OTASP Addendum (TIA/EIA-683-B) could not be completed
30 due to editorial problems.
 - 31 • C.S0023-1 R-UIM v1 addendum (C00-20001023-107) was recommended
32 for publication. This document was approved without objection. The TIA
33 version (TIA/EIA/IS-820-1) was remanded to TR45.5.
 - 34 • C.S0010-A BS Minimum Performance Specification (C00-20001023-108)
35 was recommended for publication. This document was approved without
36 objection. The TIA version (TIA/EIA-97-D) was remanded to TR45.5.

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 - 6 11. NEW BUSINESS: None.
 - 7 12. ASSIGNMENTS: Not separately discussed.
 - 8 13. FUTURE MEETING SCHEDULE
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- 27 November 2000 Interim Plenary conference call to approve C.P0011-A MS Minimum Performance Specification (TIA/EIA-98-D) and C.S0016-A OTASP Addendum (TIA/EIA-683-B).
 - 4-8 December 2000 Sheraton Kauai in Kauai, HI
 - 5 January 2001 Interim Plenary conference call to approve cdma2000 Release B
 - 15-19 January 2001 Hilton Mission Valley Hotel in San Diego, CA
 - 19-23 February 2001 Seoul, Korea
14. OPEN DISCUSSION AND OTHER BUSINESS: The Secretary noted that an updated version of the TSG-C specifications list (C00-20001023-127) was available as FYI. This list included new document number assignments for Minimum Performance Specifications for 1xEV-DO systems.
 15. ADJOURNMENT: The Plenary was adjourned on 27 October 2000 at 12:20 PM local time.

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

NUMBER	SUBJECT	SOURCE
OPENING PLENARY - 3GPP2-C00-20001023-		
000	DOCUMENT REGISTER	SECRETARY
001	AGENDA	CHAIR
002	Meeting summary - September 2000 - Seoul, Korea	SECRETARY
003	Leadership meeting report	SECRETARY
004	Correspondence dated 4 October 2000 regarding updating of Recommendation ITU-R M.1457	ITU-R
005	Reminder for update of Q.1701	ITU-R LIAISON
006	RSPC Revision	RSPC COORDINATOR
007	2001 meetings confirmed	3GPP2 SECRETARIAT
008	3GPP2 Workplan v21 DRAFT	TSG-S
009	Proposal for Document Coordinator	TIA DELEGATION
010	S.R0026 High-Speed Data Enhancements for cdma2000 1x - Integrated Data and Voice Stage 1 Requirements	TSG-S
011	Request for Document Numbers for IS-856 Access Network and Access Terminal Performance Specifications.	QUALCOMM
012	Samsung proposal for 1xEV-DV	SAMSUNG
013	Enabling The Portable Internet Access Market with I-CDMA	TANTIVY
014	NOT USED	
015	NOT USED	
016	For a timely and meaningful Release B	MOTOROLA
017	WG4 report to Plenary	WG4
018	C.S0010-A Proposed Baseline Text	WG4
019	C.S0011-A Proposed Baseline Text	WG4
020	Supporting contribution for 1xEV-DO teleconference issue	KDDI
021	Correspondence dated 23 October 2000 regarding clarifications on minimum performance specifications (C.S0010-A and C.S0011-A)	ARIB
022	C.S0026-1 R-UIM proposed BLT	WG1
023	Proposed modification to Frequency Requirements in C.S0010-A	ARIB T-53 WG
024	Proposed modification to Frequency Requirements in C.S0011-A	ARIB T-53 WG
INTERIM PLENARY - 3GPP2-C00-20001023-		
040	TSG-C comments on All IP Workplan	WG1/ALL IP LIAISON
041	Location Addendum Issues Process	CHAIR
042	Need to Restore Pilot Phase Measurement Report Messages including all Pilot Strengths	LUCENT
043	IS-801 Release 0 Bugs	QUALCOMM

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044	Comment 11: An enhancement, not a bug	MOTOROLA/SIRF
WG1 - APPLICATION SERVICES - 3GPP2-C10-20001023-		
001	Draft Agenda	CHAIR
002	Contribution Status	CHAIR
003	Meeting Summary #17 (September, 2000) - draft	CHAIR
004	Meeting Summary #14 (August, 2000) - draft	CHAIR
005	Proposed Baseline text of Addendum to R-UIM (C.S0023-1)	EDITOR
006	Liaison to New SMG 9 on future participation	MOTOROLA
007	E-mail re: 2001 meeting schedule (C00-20001023-007)	3GPP2 SECRETARIAT
008	3GPP2 Workplan V21 draft (C00-20001023-008)	TSG-S
009	1xEV-DO signaling issues (C00-20001023-020)	KDDI
010	Corr re: all-IP workplan (C00-20000918-109)	3GPP2 ALL-IP AHG
011	Draft response re: KDDI requirements	1XEV-DO SIG AHG
012	Proposed liaison to TSG-S re: additional 1XEV-DO signaling requirements	TSG-S LIAISON
013	SWG2 report	SWG2
014	Draft response to ITU-T Q.15/SG16	SWG2
015	SWG5 report	SWG5
016	Updated TSG-C Release B workplan	SWG5
017	Feedback on 3GPP2 draft workplan V21	SWG5
018	SWG4 report	SWG4
019	SWG1 report	SWG1
020	SWG3 report	SWG3
021	Draft corr to CDG re: FCC Article 22 ESN clarification	SWG4
SWG1.1 - VOICE SERVICES- 3GPP2-C11-20001023-		
SWG1.2 - VIDEO SERVICES - 3GPP2-C12-20001023-		
001	Draft Agenda	CHAIR
002	Contribution Log	CHAIR
003	Meeting Report of the Previous Meeting	CHAIR
004	MPEG-4 Default Codec	QUALCOMM
005	Open Issues for Video Services	QUALCOMM
006	3GPP2 Reply to ITU-T Q15-SG16	CHAIR
007	3G Video Streaming Services	EDITORS
008	3G Video Conferencing Services	EDITORS
SWG1.3 - DATA SERVICES - 3GPP2-C13-20001023-		
001	Agenda	CHAIR
002	September 2000 Meeting Summary	CHAIR
003	Contribution Status	CHAIR

004	C.S0017-A.4 v0.1 Proposed Draft Baseline Text	EDITOR
005	C.S0017-A.5 Proposed Changes	NORTEL NETWORKS
SWG1.4 - ANCILLARY SERVICES AND MS INTERFACES - 3GPP2-C14-20001023-		
001	Agenda	CHAIR
002	Seoul Meeting Summary	CHAIR
003	Contribution Log	CHAIR
SWG1.5 - WORKPLAN - 3GPP2-C15-20001023-		
001	Agenda	CHAIR
002	Draft Meeting Summary 0008	CHAIR
003	Contribution Status Log	CHAIR
004	TSG-S_3GPP2_Workplan_V21-DRAFT (C10-008; C00-008)	TSG-S
005	Updated TSG-C Release B Work Plan	CHAIR
006	Feedback on 3GPP2 V21 Draft Work Plan	CHAIR
WG2 - SIGNALING AND PROTOCOL - 3GPP2-C20-20001023-		
001	Meeting Agenda	CHAIR
002	WGII Meeting Summary	CHAIR
003	KDDI 1xEV-DO Issues	KDDI
004	Motorola Meaningful Release B	MOTOROLA
005	ITU-T Q.1701 Supplement Reminder	ITU-T
101	WGII October Meeting Summary	CHAIR
102	2.3 Meeting Summary	SWG3 CHAIR
103	2.1 Meeting Summary	SWG2 CHAIR
104	2.2 Meeting Summary	SWG1 CHAIR
105	Contribution Log	CHAIR
106	L3 Summary (Rel-A Addendum)	SWG3 CHAIR
107	R-UIM Rebinding Correspondence	CHAIR
108	Q.1701 Supplement Correspondence	CHAIR
109	1xEVDO Signaling Document	1XEVD0 AHG
110	Position Determination Service Standard for Dual Mode Spread Spectrum Systems (C.S0022) (IS-801)	LAHG
111	Upper Layer (Layer 3) Signaling Specifications for cdma2000 Spread Spectrum Systems	SWG3
112	Medium Access Control (MAC) Standard for cdma2000 Spread Spectrum Systems	SWG1
113	Signaling Link Access Control (LAC) Specifications for cdma2000 Spread Spectrum Systems	SWG2
114	WGII Meeting Summary Comparison	CHAIR
115	Liaison to TR45.5.2 re: Location Annex	CHAIR
116	Location Ad Hoc Meeting Summary	ACTING LAHC
117	Correspondence to TR45.2 MS Orig	CHAIR

SWG2.1 - MAC - 3GPP2-C23-20001023-		
001	Draft Agenda	CHAIR
002	Meeting Summary, 00.08 (San Francisco)	CHAIR
003	Contribution Status	CHAIR
004	C21-20001023-004 Ballot Comment Resolution Status.	CHAIR
SWG2.2 - LAC - 3GPP2-C22-20001023-		
SWG2.3 - LAYER 3 SIGNALING - 3GPP2-C23-20001023-		
001	Meeting Agenda	CHAIR
002	Meeting Summary, 09/2000	CHAIR
003	Contribution Log	CHAIR
004	Updated text for QCOM TBC 3	QUALCOMM
005	For a timely and meaningful Release B	MOTOROLA
006	Inter-generation Hard Handoff Problem	ERICSSON
007	Proposed solution to LSI BC 5	QUALCOMM
008	ESN Occurrences in IS-2000 MAC and LAC documents	NOKIA
009	LAN Access in WG2	NOKIA
010	Text for LSI ballot comments (1)	LSI LOGIC
011	Update to QCOM TBC 11 & Release 0 Addendum discrepancies	QUALCOMM
012	Text for LSI ballot comments (2)	LSI LOGIC
013	Qualcomm EBC 7	QUALCOMM
014	Mobile Initiated Position Location Session Indicator	QUALCOMM
015	Addition of band subclass information to Band Class 0	MOTOROLA
016	Ballot comments text changes #1	NORTEL
017	Ballot comments text changes #2	NORTEL
018	Text for QCOM TBC 20	QUALCOMM
019	Comment on Encryption	LUCENT
020	Committee correspondence, from Chair TR45.2 to Chair TR45.5, reg. Mobile Originated Position Determination. Attachment A: MS originated position determination call flow.	CHAIR TR45.2
021	Proposed resolution to LSI BC 3	QUALCOMM
022	Proposed text for Qualcomm TBC 2	QUALCOMM
023	Proposed text for Qualcomm TBC 5 and Proposed text for ITSPM/LAC SOM issue	QUALCOMM
024	Updated text for Qualcomm TBC 16	QUALCOMM
025	Encryption section and Extended-Encryption section need clarifications	QUALCOMM
026	Common channel packet data – Stage 2 & 3	NORTEL
027	Soft handoff on Quick Paging Channel	QUALCOMM

WG3 - PHYSICAL LAYER - 3GPP2-C30-20001023-		
001	Meeting Agenda	CHAIR
002	Meeting Summary	CHAIR
003	Contribution List, V41	CHAIR
004	PN-4693S.2A-1 Ballot Summary also TR45.5/2000.10.23.04	TIA
005	PN-4875 Ballot Summary also TR45.5/2000.10.23.07	TIA
006	ITU-R Circular Letter 8/LCCE/82* on Updating of Recommendation ITU-R M.1457 (Detailed specifications of the radio interfaces of IMT-2000), October 4, 2000 also C00-20001023-004	ITU-R
007	Proposed modification to Frequency Requirements in C.S0010-A also C00-20001023-023	ARIB T53WG SG1
008	Proposed modification to Frequency Requirements in C.S0011-A also C00-20001023-024	ARIB T53WG SG1
WG4 - PERFORMANCE - 3GPP2-C40-20001023-		
SWG4.2 - SIGNALING CONFORMANCE - 3GPP2-C42-20001023-		
WG5 - TECHNOLOGY ASSESSMENT - 3GPP2-C50-20001023-		
001	Meeting Agenda	CHAIR
002	September WG-V Meeting Summary	CHAIR
003	Contribution List	CHAIR
004	Lucent Proposed Decision Criteria	LUCENT
005	Joint 1XTREME Proposal for 1xEV-DV	MOTOROLA
006	Comments on Proposed System Level Simulation Modeling Methodology for 1xEV-DV	LUCENT
007	Alternative Proposals for Link Layer Modeling Methodology for cdma2000 1xEV-DV System Level Simulations	LUCENT
008	Evaluation Ad Hoc Conference Call Meeting Report	EVALUATION AD HOC
009	Requirements Document	PLENARY
010	Samsung's 1X-EV-DV Proposal	SAMSUNG
011	1xEV-DV Decision Matrix	LINKAIR
012	Chair's Report from the TSG-C.5 Schedule Ad Hoc Group	SCHEDULE AHG
013	ITU-R Request for Submission of Candidate Radio Transmission Technologies (RTT's) for IMT-2000 FLMPTS radio Interface	CHAIR
014	ITU-R M.1225	CHAIR
015	TSG-C Working Group Processes and Items	CHAIR
016	Multiple Quality Control Channel Scheme	SAMSUNG
017	Viewgraphs for contribution -016	SAMSUNG
018	Hybrid ARQ	SAMSUNG

019	Viewgraphs for contribution -018	SAMSUNG
020	Forward/Reverse Link	SAMSUNG
021	Viewgraphs for contribution -020	SAMSUNG
022	CWTS-Link Budget Comparison between IS2000 and LAS2000	CWTS
CLOSING PLENARY - 3GPP2-C00-20001023-		
101	WG1 Report	WG1
102	WG2 Report	WG2
103	WG3 Report	WG3
104	WG4 Report	WG4
105	WG5 Report	WG5
106	V&V Report (verbal only)	
107	C.S0023-1 R-UIM Addendum 1 Proposed Publication Text	V&V
108	C.S0010-A BS Minimum Performance Standard (IS-97-D) Proposed Publication Text	V&V
109	C.S0011-A MS Minimum Performance Standard (IS-98-D) Proposed Publication Text	V&V
110	Proposed liaison to EP-SCP (new SMG-9) on future participation	WG1
111	Proposed correspondence to 3GPP2 ITU-R Liaison regarding Q.1701 supplement	WG2
112	C.S0024 1xEV-DO v2 proposed publication text	WG2/WG3
113	C.S0022-0-1 Position Determination service v2 proposed publication text	WG2
114	Proposed liaison to TSG-S regarding additional 1xEV-DO requirements	WG1
115	Draft response to ITU-T Q.15/SG16 regarding video codec issues	WG1
116	Updated TSG-C Release B workplan	WG1
117	C.S0002-A-1 Physical Layer v2 proposed publication text	WG3
118	Feedback on 3GPP2 workplan draft v21	WG1
119	Draft correspondence to CDG regarding ESN issues	WG1
120	Correspondence dated 19 October 2000 regarding two (2) new specifications (N.S0023 and N.S0024)	TSG-N
121	Correspondence dated 18 October 2000 regarding occurrence of rapid intersystem handoffs	TSG-N
122	Correspondence dated ?? regarding comment on relation to the liaison statement sent by ITU-T WP 8F to ETSI on measurement uncertainty	ETSI TFES
123	C.S0003-A-1 MAC v2 proposed publication text	WG2
124	C.S0004-A-1 LAC v2 proposed publication text	WG2
125	C.S0005-A-1 Layer 3 Signaling v2 proposed publication text	WG2
126	Correspondence to KDDI in response to requirements	WG2

127	TSG-C specification list - 001027	SECRETARY
128	Draft correspondence to TSG-A regarding 1xEV-DO requirements	SWG2.2 CHAIR

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1 **STATUS OF SPECIFICATIONS AND REPORTS BEING DEVELOPED BY TSG-C**

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REFERENCE		TITLE	STATUS
3GPP2	TIA		
C.P0010-A	TIA/EIA-97-D	Base Station Minimum Performance	Published.
C.P0011-A	TIA/EIA-98-D	Mobile Station Minimum Performance	V&V
C.P0016-A	IS-683-B	OTASP of MS in Spread Spectrum Systems	V&V
C.P9001		SMV (Selectable Mode Vocoder)	Target publication date for SDO ballot = 6/01
C.P9005	IS-858	Test Data Service Option (TDSO)	V&V
C.P9006	IS-857	Markov Service Option (MSO)	V&V
C.P9007		Video Streaming Service	In development
C.P9008		Video Conferencing Service	In development
C.P9009		TTY Minimum Performance Specification	In development
C.P9010		Base Station Minimum Performance for 1xEV-DO	In development
C.P9011		Mobile Station Minimum Performance for 1xEV-DO	In development
C.S0002-A-1	IS-2000.2-A-1	Physical Layer - Release A Addendum v2	Published.
C.S0003-A-1	IS-2000.3-A-1	MAC Layer - Release A Addendum v2	Published.
C.S0004-A-1	IS-2000.4-A-1	LAC Layer - Release A Addendum v2	Published.
C.S0005-A-1	IS-2000.5-A-1	Layer 3 Signaling - Release A Addendum v2	Published.
C.S0015	IS-637	SMS	In development
C.S0022-0-1	IS-801-1	Position Determination Services Addendum v1	V&V
C.S0023-0-1	IS-820-1	R-UIM Addendum v1	Published.
C.S0024	IS-856	High-Speed Data Enhancements for cdma2000 1x - Data Only v2	Published.

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3GPP2 QUORUM ROLL CALL					
TSG-C (cdma2000)					
October 28, 2000					
COMPANY	Attendance 10/23/00	Attendance 10/25/00	Attendance 10/27/00	Consecutive Mtg Missed	Quorum Status at Mtg Start
B COM	1			1	1
3G-COM WIRELESS				3	0
ADVANTEST	1			0	1
AGILENT TECHNOLOGIES	1			3	0
ALCATEL				0	0
ALPS ELECTRIC				3	0
BELL MOBILITY				1	1
BELL SOUTH ENTERPRISES				3	0
BROADCOM				3	0
COMSAT				2	0
CONEXANT	1			1	1
DENSO INTERNATIONAL	1			0	1
DOCOMO US LABORATORIES	1			0	1
DYNASTAT				1	1
ERICSSON	1			0	1
FRANCE TELECOM				3	0
FUJITSU		1		0	1
GEMPLUS				3	0
GLOBALSTAR				3	0
HITACHI	1			0	1
HYUNDAI	1			2	1
INTEL				3	0
KDDI	1			2	1
KYOCERA	1			0	1
LG ELECTRONICS	1			0	1
LINKAIR	1			0	1
LSI LOGIC	1			0	1
LUCENT	1			0	1
MATSUSHITA/PANASONIC	1			0	1
mitsubishi electric				2	1
MOTOROLA	1			0	1
NEC	1			0	1
NOKIA	1			0	1
NORTEL NETWORKS	1			0	1
OKI NETWORK TECHNOLOGIES	1			0	1
PHILLIPS	1			3	0
PRAIRIECOMM	1			0	1
QUALCOMM	1			0	1
QUICKSILVER				2	1
QWEST COMMUNICATIONS				2	1
SAMSUNG	1			0	1
SCHLUMBERGER	1			3	0
SHARP	1			3	0
SIEMENS	1			3	0
SIERRA WIRELESS DATA				1	1
SIRF TECHNOLOGY	1			0	1
SK TELECOM				3	0
SONY	1			1	1
SPRINT PCS	1			0	1
TEKTRONIX				1	1
TEXAS INSTRUMENTS	1			0	1
TOSHIBA	1			1	1
VERIZON WIRELESS	1			0	1
ZTE				0	0
TOTALS	29	1	0		37
QUORUM CALCULATION	78%	3%	0%		
ADDITIONS					
VERANCE	1				
OBSERVERS AND GUESTS					
AIRVANA	1				
TANTIVY COMMUNICATIONS	1				
XIRCOM	1				
QUORUM STATUS NOTES:					
- HIGHLIGHTED ZERO = Must attend 2 consecutive mtgs to be added to quorum list					
- NON-HIGHLIGHTED ZERO = Will be added to quorum list if they attend the next mtg					