

Title:

Approved Summary of 3GPP2 TSG-C Meetings for 21-25 August 2000 in San Francisco, CA

Source:

Clifton J. Barber

SECRETARY

Oki Network Technologies. 70 Crestridge Drive Suite 150 Suwanee, Georgia 30024
(678) 482-2669 Fax (678) 482-8491 cbarber@okitele.com

Abstract:

This document is a summary of the discussions from the 21-25 August 2000 3GPP2 TSG-C meetings in San Francisco, CA.

Recommendation:

Review and adopt.

Notice:

© 2000 3GPP2

The contributor grants a free, irrevocable license to 3GPP2 and its partner organizations to incorporate text contained in this contribution and any modifications thereof in the creation of a 3GPP2 standards publication; to copyright in the name of 3GPP2 or its partner organizations any standards publication even though it may include portions of this contribution; and, at 3GPP2's sole discretion, to permit others to reproduce in whole or in part the resulting 3GPP2 standards publication.

During the period of 21-25 August 2000, 3GPP2 TSG-C meetings were held at the Hyatt at Fisherman's Wharf in San Francisco, CA. This document is intended to summarize the proceedings.

OPENING PLENARY

- **CALL TO ORDER AND OPENING REMARKS:** The meeting was called to order at 8:40 AM local time on 21 August 2000 by TSG-C Chair, Jean Alphonse (Verizon Wireless).
- **ATTENDANCE REGISTRATION AND ROLL CALL:** The roll call of companies indicated that 31 companies already included on the list of 42 active members were present and thus quorum was established (74% participation). One (1) proxy notice was received: DDI had been designated as proxy on behalf of IDO.
- **AGENDA APPROVAL:** The proposed agenda (C00-20000821-001) was presented and approved without objection as submitted.
- **INTRODUCTION AND NUMBERING OF CONTRIBUTIONS:** Contribution register was noted (C00-20000821-000R4). Contributions were numbered, distributed, and assigned to agenda items.
- **APPROVAL OF PREVIOUS MEETING SUMMARY:** The meeting summary of the July 2000 meetings in Kohala Coast, HI (C00-20000821-002) was presented and approved without objection with one (1) editorial modification (C00-20000821-002R1).
- **CORRESPONDENCE**
 - An invitation to the upcoming IMT-2000 Rapporteur's meeting in Chicago on 11-14 September 2000 (C00-20000821-006) was presented as FYI.
 - An update of N.S0018 Prepaid Charging specification from TSG-N (C00-20000821-009) was presented. This contribution was remanded to WG2 for review and comment as appropriate.
 - A contribution on IMEI for 3G MEID (C00-20000821-011) was presented by Nokia. This contribution presented the benefits and challenges of the use of IMEI and also strongly endorsed the adoption of IMEI. This contribution was remanded to all WGs for review and action as appropriate.
 - Correspondence from the CDG IOTA Team regarding initial MIN-based IMSI modifications (C00-20000821-012) was presented. This contribution identified potential concerns regarding an insufficient number of MIN/ESN pairs for the IOTA provisioning process. IS-683-A only supports 10,000 pairs and the CDG IOTA team recommends an increase to 1,000,000 unique IMSI values. This contribution was remanded to WG1 and WG2 for review and action as appropriate.

- A contribution on cdma2000 reference documents for the revision of ITU-R recommendation M.1457 (C00-20000821-013) was presented by Lucent. The Chair will generate cover correspondence to all other TSGs requesting review and comment by the opening TSG-C Plenary. This contribution was also remanded to WG1 for verification on behalf of TSG-C.
- A contribution requesting inclusion of new band classes in cdma2000 (C00-20000821-014) was presented from CDG. The new band classes referenced by the contribution were the 900 MHz and 1800 MHz bands. This document was remanded to WG1, WG2, and WG3 for review and action by closing Plenary.
- A contribution from TSG-A regarding their Release B features and plans for next IOS release (C00-20000821-007) was presented. This document is based on the TSG-A analysis of their responsibilities based on the 3GPP2 workplan published by TSG-S. This contribution requested comment and feedback from all TSGs. This contribution was remanded to WG1 for review and reconciliation by the closing Plenary. In addition, WG2 was requested to review the impact to signaling.
- Correspondence from TSG-A in response to the TSG-C criteria on clarification of “bug fixes” (C00-20000821-008) was presented. This correspondence proposed one (1) additional clarification test. This contribution left open at the Plenary level for reconsideration at closing Plenary.
- LIAISON REPORTS: None.
- OLD BUSINESS
 - A contribution on proposed 1xEV-DV requirements (C00-20000821-018) was presented by Samsung. This contribution was accepted as FYI for TSG-C but the contributor was advised to submit this contribution to TSG-S for their consideration.
 - A report from SWG2.3 on Release A mandatory vs optional feature status discussions with respect to the Release A Addendum (C00-20000821-016) was presented. This contribution summarized discussions regarding proposal to change mandatory vs optional feature status of some items to facilitate timely deployment. Five (5) alternatives were identified in these discussions as documented in this contribution. SWG2.3 requested direction from the Plenary without any recommendation.
 - A contribution related to splitting P-REV in Release A for solving the feature mandatory/optional issue (C00-20000821-015) was presented by Nortel Networks. This contribution corresponded to alternative #3 of the SWG2.3 list.

- A contribution regarding Release A changes to allow timely deployment of important market features (C00-20000821-024) was presented by Sprint PCS, DDI, KDD, and IDO. This proposal recommended a sixth alternative for consideration including bringing Call Type Based on Access Control from Release B (proposal 5) into Release A. With respect to this contribution, Verizon Wireless verbally indicated full support for proposals 1 through 3, recommendation that proposal 5 be subjected to further study, and support for proposal 4 with an unspecified minor wording change.
- An objection to any proposal to modify requirements in IS-2000-A Addendum (C00-20000821-025) was presented by Motorola and LSI Logic.
- All related contributions were remanded to WG1 and WG2 for deliberation and recommendation back to the closing Plenary. A joint meeting between the two (2) groups was scheduled for 3:30 PM that afternoon. However, based on the outcome of the WG1 and WG2 deliberations, an interim Plenary may be posted by the Chair.
- Several contributions from the recent CWTS meeting in Beijing last month were presented including the following:
 - China's position on evolution of cdma2000 1x (C00-20000821-019). This contribution recommended that a decision be made in October 2000 TSG-C meeting as to the way to go forward (i.e., choice of technology). This proposal was accepted as FYI but there was general discussion indicating that this proposal was unrealistic. Since this proposal was also remanded to TSG-C from the SC meeting, the Chair and Secretary agreed to prepare written response to CWTS by the closing Plenary.
 - Meeting summary of LAS-CDMA AdHoc in CWTS (C00-20000821-020). This contribution was accepted as FYI.
 - Overview - LAS-CDMA demonstration (C00-20000821-021). This contribution was accepted as FYI.
 - 1xEV-DV convergence proposal (C00-20000821-022). This contribution was held open at the Plenary level to be considered as a part of 1xEV-DV deliberations.
 - Draft meeting summary of LAS-CDMA AdHoc #6 (C00-20000821-023). This contribution was accepted as FYI.
- WG2 advised verbally that they did agree to start work on a location services addendum. This activity is currently being handled by the WG2 Position Location AdHoc.

- A contribution regarding support for the formation of a location technology SWG (C00-20000821-005) was presented by Conexant. This contribution supported the July 2000 contribution on the same subject from SiRF Technology. The WG4 Chair noted that an SWG is under consideration for the conformance and performance testing of geolocation services. Ericsson expressed support for the Conexant proposal and requested that WG4 relinquish their testing charter on this subject to consolidate the activities in a single group. However, both SiRF and Conexant indicated that their concerns would be satisfied if the AdHoc followed more disciplined, formal, and accountable rules. The contribution was remanded to WG2 and the Position Location AdHoc.
- **WORKING GROUP REPORTS**
 - C.S0017-0-2 (IS-707-A-2) point release v2.0 with TIA ballot resolution (C00-20000821-023) was presented by SWG1.3 Chair, Bob Marks (Lucent). This document was approved for TSG publication without objection.
 - The WG4 report to the Plenary (C00-20000821-017) was presented by WG4 Chair, Jason Losh (Motorola).
 - Baseline text for C.P0010-A (TIA/EIA-97-D) and C.P0011-A (TIA/EIA-98-D) will be complete by September 2000 meeting in Seoul and ready for publication in October 2000 meeting in Japan. Performance testing work will transition to SWG4.1.
 - SWG4.2 has been formed as a cooperative partner to the CDG System Test Team. John Fessler (Sprint PCS) has been named as the SWG Chair.
 - The updated TSG-C specification list for 2000-08 including all recently approved TSG-C specifications (C00-20000821-026) was presented by the WG1 Chair as FYI.

The meeting was recessed on 21 August 2000 at 12:45 PM local time.

INTERIM PLENARY

The Plenary was reconvened on 22 August 2000 at 10:35 AM local time.

- The Chair noted that the interim Plenary was called at the request of WG1 and WG2. The purpose of this interim Plenary was to provide direction to these WGs regarding contributions requesting modification of the mandatory/optional status of some of the features in the Release A Addendum.

- WG2 Chair, Orlett Pearson (Lucent), gave brief verbal summary of the joint meeting between the two (2) working groups which was directed by the Chair in the opening Plenary to resolve the requests for modification of cdma2000 in the Release A Addendum. She indicated that the following question was asked in that joint meeting: “Should any modifications be made to the mandatory/optional status of the features in Release A?” The result of the straw poll response was indicated as follows:

| | |
|-----------|----|
| • YES | 10 |
| • NO | 6 |
| • ABSTAIN | 10 |

Since there was no clear consensus either for or against, Plenary direction was required.

- The TSG agreed without objection to reaffirm the “bug fix” rules which were adopted at the last meeting (C00-20000710-013R1).
- A proposal to make Auxiliary Pilot support optional (C00-20000821-041) was presented by QUALCOMM.
- A contribution on Release A changes to allow timely simultaneous voice and data deployment (C00-20000821-042) was presented by Sprint PCS.
- A proposal to change support of RA mode from a mandatory feature to an optional feature in Release A (C00-20000821-043) was presented by QUALCOMM.
- A contribution on optional new common channels in IS-2000 Rev. A (C00-20000821-044) was presented by Ericsson.
- A contribution on optionality of RA mode and auxiliary pilots (C00-20000821-045) was presented by LSI Logic.
- A contribution on in support of reduced time to market (C00-20000821-046) was presented by Lucent.
- A contribution on splitting P-REV in Release A (C00-20000821-047) was presented by Nortel Networks.
- A contribution on changing Release A mandatory features to optional features (C00-20000821-048) was presented by Samsung.
- QWEST made the following motion: “Shall the TSG Plenary accept any of the proposed changes to the mandatory/optional features of Release A?” A roll call vote indicated the following:

| | |
|-----------|----|
| • YES | 13 |
| • NO | 11 |
| • ABSTAIN | 6 |

54% of the votes cast for or against this motion were cast in favor of the motion. Since this is less than the required 71%, the motion failed. Based on this vote, all proposals to modify the mandatory/optional status of any of the Release A features in the Release A Addendum were rejected.

A summary of the roll call vote is indicated below:

- YES (13): DDI, Hitachi, IDO (proxy through DDI), KDD, Kyocera, Lucent, Panasonic, NEC, Qualcomm, Sierra Wireless, Sony, Sprint PCS, and Verizon Wireless
- NO (11): BMC, DoCoMo US Laboratories, Dot Wireless, Ericsson, LinkAir, LSI, Motorola, Nokia, Samsung, Toshiba, and Qwest
- ABSTAIN (6): Denso, Hyundai, LG, Mitsubishi, Nortel Networks, and PrairieComm

The meeting was recessed on 22 August 2000 at 1:05 PM local time.

CLOSING PLENARY

The Plenary was reconvened on 25 August 2000 at 8:30 AM local time.

- Quorum had been established at opening Plenary and was not challenged.
- The Chair noted the following:
 - A call for proposals for 1xEV-DV candidate technologies has been issued. These candidate technologies will be presented at the September meeting. Companies who want to submit proposals are required to contact the Chair for scheduling of presentation time.
 - A new WG will be empowered at the next meeting. This will be WG5 - Technology Assessment. At that time, the 1xTREME and LAS AdHocs will be disbanded and all related contributions will be remanded to the new WG.

The objectives of this new WG are summarized as follows:

- Develop assessment details for candidate proposals
- Develop comparison methods for evaluation of candidate proposals
- Do detailed technical reviews of candidate proposals including simulations
- Consolidate proposals into a single technology basis for 1xEV-DV

The following individual were assigned as Co-Chairs:

- Krister Raith (Ericsson) (pending his acceptance of the assignment)
- Ed Tiedemann (QUALCOMM)

This group will develop their detailed terms of reference for approval by the TSG.

The Chair indicated that both 1xEV-DO and Release B development will take priority over WG5 activities.

- WORKING GROUP REPORTS:
 - WG1 REPORT (C00-20000821-101) was presented by the WG1 Chair, Phil Brown (Ericsson), as FYI.
 - Held joint meeting with WG2 to determine action on contributions related to modifications to Release A Addendum. Since a decision could not be reached by the WGs, direction by the Plenary was requested. Based on the decision of the Plenary at its interim session of this meeting, none of the proposed changes were accepted and all contributions related to change in mandatory/optional status of Release A features were rejected.
 - Updated list of cdma2000 reference documents in ITU-R M.1457 (IMT.RSPC)
 - Reviewed and updated TSG-C Release B Workplan based both on SWG1.5 review and comments derived from a joint meeting between WG1 and TSG-S PMT.
 - Approved baseline text for C.P0016-A (TIA/EIA-683-B)
 - Scheduled baseline text for SMV algorithm in March 2001 and baseline text for the SMV minimum performance specification (including fixed-point code) in June 2001.
 - Identified bugs related to TTY support that will mandate addenda to IS-127-2 and IS-736-1.
 - Work on the video services specifications continued.
 - The WG has confirmed that C.S0017-A will include support for both IS-99 and IS-657.
 - The SWG1.3 Chair noted the following comment was inadvertently omitted from his SWG1.3 Report: “DDI requested that TSG-C try to reduce the time to initiate a packet data call or reactivate a packet data session from dormant mode.”

The revised TSG-C Release B workplan (C00-20000821-117) was approved without objection.

Proposed baseline for C.P0016-A (TIA/EIA-683-B) was approved

- WG2 REPORT (C00-20000821-102) was presented by WG2 Chair, Orlett Pearson (Lucent), as FYI:
 - Held joint meeting with WG1 to determine action on contributions related to modifications to Release A Addendum. Since the WGs could not reach a decision, direction by the Plenary was requested. Based on the decision of the Plenary at the interim Plenary, none of the proposed changes were accepted and all contributions related to change in mandatory/optional status of Release A features were rejected.

- John Gabor (SiRF Technology) was appointed interim Chair of the Location AdHoc. This AdHoc was assigned the task of developing the C.S0022 (IS-801) Addendum as its highest priority. The group will then address a Performance and Protocol Conformance Test document. Finally, the group will then start work on the next revision of C.S0022.
- Reviewed issues related to IMEI and could not recommend to fully endorse the concept. A recommendation will be made at the September 2000 meeting.
- Approved the Release A Addendum timeline as documented in the WG2 Report.
- Approved Release A Addendum documents including MAC, LAC, and Layer 3 signaling.

The 1xEV-DO Signaling text (C00-20000821-112) was approved without objection as baseline text and remanded to V&V.

The Release A Addendum Layer 3 text (C.S0005-A-1, C00-20000821-113) was approved without objection as baseline text and remanded to V&V.

The Release A Addendum LAC text (C.S0004-A-1, C00-20000821-114) was approved without objection as baseline text and remanded to V&V.

The Release A Addendum MAC text (C.S0003-A-1, C00-20000821-115) was approved without objection as baseline text and remanded to V&V.

The WG did note its intent to form a new SWG be formed for Location Services. However, since the Location AdHoc was evenly split on whether the SWG would be part of WG1 or WG2, the acting AdHoc Chair, John Gabor (SiRF) recommended that the SWG be implemented in WG2. WG2 will take appropriate action at the next meeting.

- WG3 REPORT (C00-20000821-103) was presented by 1xEV-DO AdHoc Chair, Yu-Cheun Jou (QUALCOMM):
 - Completed review of the 1xEV-DO physical layer text and approved that document for forwarding to the Plenary.
 - Agreed to include 900 MHz and 1800 MHz band classes in Release A.
 - Approved physical layer text for Release A.
 - Will begin work on Release 0 Addendum

The 1xEV-DO physical layer text (C00-20000821-109) was approved without objection as baseline text and remanded to V&V.

The Release A Addendum Physical Layer text (C.S0002-A-1, C00-20000821-108) was approved without objection as baseline text and remanded to V&V.

- WG4 REPORT (C00-20000821-104) was presented by SWG4.2 Chair, John Fessler (Sprint PCS):
 - No report on SWG4.1 activities.
 - SWG4.2 reviewed 20 new tests.
 - Two (2) new CDG documents will be produced including the following:
 - Stage 2 interoperability for cdma2000 Release 0
 - Signaling Conformance Tests for cdma2000 Spread Spectrum Systems Release 0
 - A new 3GPP2 document will be developed to include new critical signaling tests that aid early developers of base and mobile stations as well as automatic protocol testers. It will also contain end-to-end tests and other supplementary matter.
 - The baseline text for the 3GPP2 document is scheduled for approval in December 2000 concurrent with the CDG documents.
- V&V REPORT (verbal report only)
 - Noted 97-D and 98-D have been “scrubbed” editorially.
 - A V&V meeting for 1xEV-DO and the Release A documents is planned for 6 September 2000 at QUALCOMM headquarters in San Diego, CA. A request was made to the WG Chairs for additional support to complete these tasks prior to the 12 September 2000 interim Plenary.
 - A template to be used for all DDRs (C00-20000821-120) was presented.
- 1XTREME ADHOC presented by 1xTREME AdHoc Chair, Al Jette (Motorola):
 - A summary report for the July 2000 1xTREME AdHoc meeting in Hawaii (C00-20000821-118) was presented as FYI.
 - A draft summary report for the 1xTREME AdHoc meeting this week in San Francisco (C00-20000821-119) was presented as FYI.
- LAS ADHOC (C00-20000821-121) presented by LAS AdHoc Chair, Frederick Leroudier (LinkAir), as FYI.
- NEW BUSINESS
 - Correspondence to the SC and CWTS regarding the 1xEV-DV status (C00-20000821-110) was approved as modified (C00-20000821-110R3).

- A summary of the All IP AdHoc (C00-20000821-111) was presented as FYI. The contribution summarized the two (2) strategies presented to date regarding 3GPP2 organizational and workplan issues with respect to development of the All IP Network after the All IP AdHoc has completed its charter. *NOTE: There is a typo in this contribution on page 3 where the responsibility for the access network under the "Division of labor as follows:" section of the Sprint PCS proposal should be noted as TSG-A instead of TSG-N.*
 - Lucent noted that new Wavelan drivers has been released to the market and v6.0.1 should NOT be used in the TSG-C LAN environment.
 - FUTURE MEETING SCHEDULE
 - 12 September 2000 Interim Plenary conference call to approve the 1xEV-DO specification. Details TBD.
 - 18-22 September 2000 Sheraton Walker Hill Hotel in Seoul, Korea **
 - 23-27 October 2000 Kyoto International Conference Center in Kyoto, Japan
 - 4-8 December 2000 Kauai, HI
- ** 18 September 2000 will be all day Plenaries for both TR45.5 and TSG-C including the following presentations:
- AHAG presentations on ESP status for TR45.5
 - 1xEV-DV requirements status report from TSG-S
 - 1xEV-DV candidate proposals as submitted.

The Plenary was adjourned on 25 August 2000 at 10:55 AM local time.

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

| NUMBER | SUBJECT | SOURCE |
|--|---|-------------------------------|
| OPENING PLENARY - 3GPP2-C00-20000821- | | |
| 001 | AGENDA | CHAIR |
| 002 | Meeting summary - 7/00 - Kohala Coast, HI | SECRETARY |
| 003 | 3GPP2 OP unofficial meeting summary - July 2000 | SECRETARY |
| 004 | 3GPP2 SC unofficial meeting summary - July 2000 | SECRETARY |
| 005 | Support for formation of Location Technology Sub-Working Group | CONEXANT |
| 006 | Invitation to IMT-2000 Rapporteurs meeting in Chicago - 11-14 September 2000 | ITU-T LIAISON |
| 007 | Correspondence dated 20 July 2000 regarding Release B features and next IOS release | TSG-A |
| 008 | Correspondence dated 19 July 2000 regarding criteria for bug fixes | TSG-A |
| 009 | N.S0018 (IS-826) WIN Network Capabilities for Prepaid Charging rev 1 (pre-publication) | TSG-N |
| 010 | C.S0017-0-2 (IS-707-A-2) v2.0 BRV | SWG1.3 |
| 011 | IMEI for 3G Mobile Equipment Identifiers (MEIDs) | NOKIA |
| 012 | Initial MIN-based IMSI modifications | CDG IOTA TEAM |
| 013 | cdma2000 reference documents for the revision of ITU-R recommendation M.1457 (IMT.RSPC) | LUCENT |
| 014 | Inclusion of new band classes in cdma2000 | CDG |
| 015 | Splitting P-REV in Release A for solving the feature mandatory/optional release issue | NORTEL NETWORKS |
| 016 | Release A optional/madatory issues | SWG2.3 |
| 017 | WG4 report | WG4 |
| 018 | 1xEV-DV requirements | SAMSUNG |
| 019 | China's position on evolution of cdma2000 1x | CWTS |
| 020 | Meeting summary of LAS-CDMA AdHoc in CWTS | CWTS |
| 021 | Overview - LAS-CDMA demonstration | CWTS |
| 022 | 1xEV-DV convergence proposal | CWTS |
| 023 | Meeting summary of CWTS LAS-CDMA AdHoc #6 | CWTS |
| 024 | Release A changes to allow timely deployment of important market features | SPRINT PCS, DDI, KDD, AND IDO |
| 025 | Objection to the proposal to modify requirements in IS-2000-A Addendum | MOTOROLA AND LSI LOGIC |
| 026 | TSG-C specification list 2000-08 | WG1 CHAIR |
| INTERIM PLENARY - 3GPP2-C00-20000821- | | |
| 040 | In support of reduced time to market | LUCENT |
| 041 | Proposal to make auxiliary pilot support optional | QUALCOMM |

| | | |
|---|--|-------------------------|
| 042 | Release A changes to allow timely simultaneous voice and data development | SPRINT PCS |
| 043 | Proposal to change support of RA mode from a mandatory feature to an optional feature in Release A | QUALCOMM |
| 044 | Optional new common channels in IS-2000 Release A | ERICSSON |
| 045 | Optionality of RA Mode and Auxiliary Pilots | LSI LOGIC |
| 046 | In support of reduced time to market | LUCENT |
| 047 | Splitting P-REV in Release A | NORTEL NETWORKS |
| 048 | Changing Release A mandatory features to optional features | SAMSUNG |
| WG1 - APPLICATION SERVICES - 3GPP2-C10-20000821- | | |
| 001 | Draft Agenda | CHAIR |
| 002 | Contribution Status | CHAIR |
| 003 | Meeting Summary #15 (July, 2000) - draft | CHAIR |
| 004 | Meeting Summary #14 (June, 2000) - approved | CHAIR |
| 005 | Numbering schemes for revisions, rev. 2 (C00-20000710-115R1) | TSG-C/TSG-S AHG |
| 006 | Splitting P_REV in Rel A (C00-20000821-015) | NORTEL NETWORKS |
| 007 | Corr re: Rel B features and next IOS release (C00-20000821-007) | TSG-A |
| 008 | Report on Rel A Mandatory vs. Optional Features (C00-20000821-016) | SWG2.3 |
| 009 | Rel A Changes to Allow Timely Deployment of Important Market Features (C00-20000821-024) | SPRINT PCS /DDI/IDO/KDD |
| 010 | Objection to the Proposal to Modify Requirements in Rel A Addendum (C00-20000821-025) | MOTOROLA/LSI LOGIC |
| 011 | IMEI for 3G Mobile Equipment Identifiers (C00-20000821-011) | NOKIA |
| 012 | MIN-based IMSI modifications (C00-20000821-012) | CDG IOTA TEAM |
| 013 | cdma2000 Ref Docs in ITU-R M.1457 [IMT.RSPC] (C00-20000821-013) | LUCENT |
| 014 | Inclusion of New Band Class in cdma2000 (C00-20000821-014) | CDG |
| 015 | Corr re: UIM rebinding (500-00082109) | TR-45.3 |
| 016 | Corr re: UIM rebinding (500-00082114) | TR-45.2 |
| 017 | In Support of Reduced Time to Market | LUCENT |
| 018 | QoS Measurement and Procedures: The Missing Pieces | LUCENT |
| 019 | SWG1 report | SWG1 |
| 020 | SWG2 report | SWG2 |
| 021 | SWG3 report | SWG3 |
| 022 | SWG4 report | SWG4 |
| 023 | SWG5 report | SWG5 |
| 024 | Revised TSG-C Release B workplan | SWG5 |
| 025 | C.S0016-A (IS-683-B) proposed baseline text | SWG4 |

| SWG1.1 - VOICE SERVICES- 3GPP2-C11-20000821- | | |
|--|---|------------------|
| 001 | Proposed Agenda | CHAIR |
| 002 | Summary of the July, 2000 Voice Services Meeting | CHAIR |
| 003 | SMV Selection Test Final Host and Listening Lab Report | COMSAT |
| 004 | SMV Selection Test Final Host and Listening Lab Report - Annex | COMSAT |
| 005 | Talker and Listener Culling of the Data from SMV Mode 0/Experiment 3 | COMSAT |
| 006 | Test Plan Considerations for Collaboration and Characterization Formal Subjective Tests | COMSAT |
| 007 | Complexity report of the Conexant's SMV codec | NORTEL |
| 008 | SMV Schedule Inputs | CHAIR |
| 009 | SMV Collaboration Executive Summary - 3 | CONEXANT |
| 010 | SMV Collaboration - Stage 1 Speech Quality Subjective Test | CONEXANT |
| 011 | SMV6 Capacity Gains and New Operating Modes | QUALCOMM |
| 012 | SMV stage-1 collaboration codec algorithm description | COMSAT |
| 013 | SMV Mobile-to-Mobile Issues | ERICSSON |
| 014 | Improvements to the CDMA TTY/TDD Solution | LUCENT |
| 015 | Minimum Performance Specification for TTY/TDD Transport of 45.45 Baudot Code over CDMA | LUCENT |
| 016 | Input to ITU-T Q24/16 | CONEXANT |
| 017 | SMV Request for Quote | CHAIR |
| SWG1.2 - VIDEO SERVICES - 3GPP2-C12-20000821- | | |
| 001 | Draft Agenda | CHAIR |
| 002 | Contribution Log | CHAIR |
| 003 | Meeting Report of the Previous Meeting | CHAIR |
| 004 | Discarding vs. Keeping Bad Frams - Video Quality Comparison | UCLA/SAMSUNG |
| 005 | Japanese Operator's View of Video Service Aspects | DDI/IDO/KDD |
| 006 | Support of SIP for Video Services | NORTEL NETWORKS |
| 007 | Framework of Video Streaming Specification (Draft) | EDITORS |
| 008 | Framework of Video Conferencing Specification (Draft) | EDITORS |
| SWG1.3 - DATA SERVICES - 3GPP2-C13-20000821- | | |
| 001 | Agenda | CHAIR |
| 002 | July 2000 Meeting Summary | CHAIR |
| 003 | IS-99 vs IS-707-A | LUCENT, MOTOROLA |
| 004 | June 2000 Meeting Summary | CHAIR |
| 005 | Support for IS-707-A Service Options over IS-2000 Radio Configurations | MOTOROLA |
| 006 | Enhancements to the reverse link Supplemental Channel request Messages | MOTOROLA |

| | | |
|--|---|---------------------------|
| 007 | Function review between TIA/EIA/IS-657 and TIA/EIA/IS-707-A. | DOT WIRELESS, NORTEL |
| SWG1.4 - ANCILLARY SERVICES AND MS INTERFACES - 3GPP2-C14-20000821- | | |
| 001 | Agenda | CHAIR |
| 002 | July 2000 Meeting Summary | CHAIR |
| 003 | San Francisco Contribution Log | CHAIR |
| 004 | Qualcomm New EF for Packet.doc | QUALCOMM |
| 005 | Corr re: UIM rebinding (500-00082109) | TR-45.3 |
| 006 | Qualcomm CRs for IS-820.doc | QUALCOMM |
| 007 | Corr re: UIM rebinding (500-00082114) | TR-45.2 |
| 008 | Personal Mobility | CHAIRS |
| 009 | MIN-based IMSI modifications (C00-20000821-012) | CDG IOTA TEAM |
| 010 | IMEI for 3G Mobile Equipment Identifiers (C00-20000821-011) | NOKIA |
| 011 | Gemplus CR for IS-820 | GEMPLUS |
| 012 | Gemplus CR for IS-820 | GEMPLUS |
| 013 | Request for changes to SMS | SPRINT PCS |
| SWG1.5 - WORKPLAN - 3GPP2-C15-20000821- | | |
| 001 | Agenda | CHAIR |
| 002 | Draft Meeting Summary 0007 | CHAIR |
| 003 | Contribution Status Log | CHAIR |
| 004 | 3GPP2 Work Plan V19 (SC-20000725-022) | TSG-S |
| 005 | Work Item Desc. V1.3.PDF (SC-20000725-023) | TSG-S |
| WG2 - SIGNALING AND PROTOCOL - 3GPP2-C20-20000821- | | |
| 001 | Meeting Agenda | CHAIR |
| 002 | July Meeting Summary | CHAIR |
| 003 | Contribution Log | CHAIR |
| 004 | SWG2.3 Report | SWG2.3 CHAIR |
| 005 | Splitting P-REV in Release A for Solving the Feature Mandatory/Optional Issue | NORTEL |
| 006 | Release A Changes to Allow Timely Deployment of Market Features | SPRINT PCS, DDI, IDO, KDD |
| 007 | Objection to the Proposal to modify requirements in IS-2000-A | MOTOROLA, LSI LOGIC |
| 008 | Prepaid Charging | PLENARY CONTRIBUTION |
| 009 | IMEI | NOKIA |
| 010 | CDG IOTA Team (Initial MIN-based IMSI modifications) | CDG IOTA TEAM |
| 011 | New Band classes for cdma2000 (all releases) | CDG |
| 012 | L3 Release A Addendum Activity | SWG2.3 CHAIR |
| 013 | Band Class (0 to 7) | QUALCOMM |
| 014 | Encryption LAC | QUALCOMM |
| 015 | IS-801 Remanded Issues | QUALCOMM |

| | | |
|---|---|-------------------|
| 016 | IS-801 Bug fixes | QUALCOMM |
| 017 | Reserved. No contribution | |
| 018 | Support for Formation of a Location Technology SWG | CONEXANT |
| 019 | F-DCCH and R-DCCH Frame Size | LSI LOGIC |
| SWG2.1 - MAC - 3GPP2-C23-20000821- | | |
| 001 | Draft Agenda | CHAIR |
| 002 | Meeting Summary, 00.04 (Seattle) | CHAIR |
| 003 | Contribution Status | CHAIR |
| 004 | IS-2000.3-A errata status | LSI LOGIC |
| 005 | Proposed Baseline Text for IS-2000.3-A.1 Rev 0.04.doc | EDITOR |
| 006 | IS-2000.3-A errata status | LUCENT |
| 007 | Proposed Baseline Text for IS-2000.3-A.1 Rev 0.05.doc | EDITOR |
| SWG2.2 - LAC - 3GPP2-C22-20000821- | | |
| 001 | C.S0004-A-1 | VICE-CHAIR SWG2.3 |
| 002 | Solution for LAC issues on r-dsch and f-dsch | LUCENT |
| 003 | Contribution Log | CHAIR |
| 004 | Agenda | CHAIR |
| SWG2.3 - LAYER 3 SIGNALING - 3GPP2-C23-20000821- | | |
| 001 | Meeting Agenda | CHAIR |
| 002 | Meeting Summary, 07/2000 | CHAIR |
| 003 | Contribution Log | CHAIR |
| 004 | Summary of cdma2000 L3 Release A Addendum Comments | CHAIR |
| 005 | Prepaid Charging, Rev1 | WG2 |
| 006 | INITIAL MIN-BASED IMSI MODIFICATIONS | CDG IOTA |
| 007 | IMEI for 3G Mobile Equipment Identifiers (IMEI) | NOKIA |
| 008 | Inclusion of new band classes in cdma2000 | CDG |
| 009 | All bands signaling support | QUALCOMM |
| 010 | SMV Signaling Issues | CHAIR SWG1.1 |
| 011 | F-DCCH and R-DCCH frame size | LSI LOGIC |
| 012 | Proposed Addendum Schedule | CHAIR, WG2 |
| 013 | Response reg. SMV Signaling Issues | CHAIR |
| 014 | Encryption bugs fixes | QUALCOMM |
| 015 | IS-2000.5-A Errata 5 (Updated Figure) | MOTOROLA |
| 016 | IS-2000.5-A Errata 5 (NN-SCR) | MOTOROLA |
| 017 | Updated text for QCOM #71. | QUALCOMM |
| 018 | Band class 8 & 9 | QUALCOMM |
| 019 | C.S0005-A-1 v0.2 | EDITOR |
| WG3 - PHYSICAL LAYER - 3GPP2-C30-20000821- | | |
| 001 | Meeting Agenda | CHAIR |

| | | |
|--|--|--------------------------------------|
| 002 | Meeting summary | CHAIR |
| 003 | Contribution List | CHAIR |
| 004 | Missing Entries for the Reverse Link Gain Table | QUALCOMM |
| 005 | Text for Specification of Band Class 0 Issue | QUALCOMM |
| 006 | Clarification of QOF Usage on Walsh 0 | QUALCOMM |
| 007 | Report from the Flexible Rate Matching Ad Hoc Chairman | QUALCOMM |
| 008 | Draft Baseline Text for the Physical Layer Portion of the 1xEV Specification | CHAIR, 1X EV PHASE 1 AHG |
| 009 | 1X EV Phase 1 Ad Hoc Group 07-24-00 Meeting Summary | CHAIR, 1X EV PHASE 1 AHG |
| 010 | 1X EV Phase 1 Ad Hoc Group 07-26-00 Meeting Summary | CHAIR, 1X EV PHASE 1 AHG |
| 011 | 1X EV Phase 1 Ad Hoc Group 07-27-00 Meeting Summary | CHAIR, 1X EV PHASE 1 AHG |
| 012 | Addition of Band Classes 8 and 9 for IS-2000.2-A Addendum | QUALCOMM |
| 013 | 1X EV Phase 1 AHG Contribution List v02 | CHAIR, 1X EV PHASE 1 AHG |
| 014 | Physical Layer Text for CPCCH Step Size | QUALCOMM |
| 015 | IMEI Mobile for 3G Mobile Equipment Identifiers, plenary C00-20000821-011 | NOKIA |
| 016 | Inclusion of New Band Classes in cdma2000, plenary C00-20000821-014 | CDMA DEVELOPMENT GROUP |
| 017 | Summary of Flexible Data Rate Repetition for Turbo Codes | LGIC |
| 018 | New Transmission Chain for Variable Data Rates and Flexible Data Rates | LGIC |
| 019 | Enhanced Soft-Handoff for IS-2000 Release B | DENSO |
| 020 | Flexible Data Rate Frame Matching for Turbo Codes | LSI LOGIC |
| 021 | Draft Baseline Text for the Physical Layer Portion of the 1xEV Specification | CHAIR, 1X EV PHASE 1 AHG |
| 022 | C.P0002-A-1 | CHAIR TSG-C3 |
| 023 | Text change for clarifying the usage of Walsh 0 with QOFs | QUALCOMM |
| 024 | Text proposal from the Flexible Rate Matching Ad Hoc chair | CHAIR, FLEXIBLE RATE MATCHING AD HOC |
| 025 | Physical Layer Text for CPCCH Stepsize | QUALCOMM |
| 026 | Text proposal from the Flexible Rate Matching Ad Hoc | LGIC |
| WG4 - PERFORMANCE - 3GPP2-C40-20000821- | | |
| 001 | AGENDA | CHAIR |
| 002 | Contribution List | CHAIR |
| 003 | Seattle Meeting Summary | CHAIR |
| 004 | July 20th Call Summary | CHAIR |
| 005 | July 27th Call Summary | CHAIR |
| 006 | August 3rd Call Summary | CHAIR |
| 007 | August 10th Call Summary | CHAIR |
| 008 | August 17th Call Summary | CHAIR |

| SWG4.2 - SIGNALING CONFORMANCE - 3GPP2-C42-20000821- | | |
|---|--|---------------|
| 001 | IS-2000 Handoff Tests | LUCENT |
| 002 | Hard Handoff in Same Frequency and Different RCs | LSI LOGIC |
| 003 | Signaling Conformance Tests for cdma2000 Spread Spectrum Systems - Release 0 | QUALCOMM |
| 004 | Monitoring the Quick Paging Channel During Idle Handoff in Slotted Mode | KYOCERA |
| CLOSING PLENARY - 3GPP2-C00-20000821- | | |
| 101 | WG1 Report | WG1 |
| 102 | WG2 Report | WG2 |
| 103 | WG3 Report | WG3 |
| 104 | WG4 Report | WG4 |
| 105 | V&V AdHoc Report | V&V ADHOC |
| 106 | C.P0010-A (TIA/EIA-97-D) BS Minimum Performance Standard | V&V ADHOC |
| 107 | C.P0011-A (TIA/EIA-98-D) MS Minimum Performance Standard | V&V ADHOC |
| 108 | C.P0002-A-1 (IS-2000-A-1) Physical Layer Release A Addendum | WG3 |
| 109 | Draft baseline text for the physical layer portion of the 1xEV specification | WG3 |
| 110 | 1xEV-DV Status Report | SECRETARY |
| 111 | All IP AdHoc status | SECRETARY |
| 112 | 1xEV-DO Signaling document baseline text | WG2 |
| 113 | C.S0005-A-1.5 Layer 3 signaling document baseline text | WG2 |
| 114 | C.S0005-A-1.4 LAC signaling document baseline text | WG2 |
| 115 | C.S0005-A-1.3 MAC signaling document baseline text | WG2 |
| 116 | C.P0016-A (IS-683-B) proposed baseline text | WG1 |
| 117 | Release B workplan | WG1 |
| 118 | 1xTREME AdHoc meeting summary - Hawaii | 1XTREME ADHOC |
| 119 | 1xTREME AdHoc meeting summary - San Francisco | 1XTREME ADHOC |
| 120 | DDR template | V&V |
| 121 | LAS AdHoc Report | LAS ADHOC |

STATUS OF SPECIFICATIONS AND REPORTS BEING DEVELOPED BY TSG-C

| REFERENCE | | TITLE | STATUS |
|-------------|---------------|--|--|
| 3GPP2 | TIA | | |
| | | | |
| C.P0010-A | TIA/EIA-97-D | Base Station Minimum Performance | In development |
| C.P0011-A | TIA/EIA-98-D | Mobile Station Minimum Performance | In development |
| C.P0016-A | IS-683-B | OTASP of MS in Spread Spectrum Systems | V&V |
| C.S0017-0-2 | IS-707-A-2 | Data SOs for Spread Spectrum Systems | Published. 8/00 |
| C.P9001 | | SMV (Selectable Mode Vocoder) | Target publication date for SDO ballot = 12/00 |
| C.P9005 | IS-858 | Test Data Service Option (TDSO) | |
| C.P9006 | IS-857 | Markov Service Option (MSO) | |
| C.P9007 | | Video Streaming Service | |
| C.P9008 | | Video Conferencing Service | |
| C.P9009 | | TTY Minimum Performance Specification | |
| C.P9010 | IS-856 | High-Speed Data Enhancements for cdma2000 1x - Data Only | V&V |
| C.R1001-A | TSB58-C | Parameter Value Assignments | Published. |
| C.S0002-A-1 | IS-2000.2-A-1 | Physical Layer - Release A Addendum | V&V |
| C.S0003-A-1 | IS-2000.3-A-1 | MAC Layer - Release A Addendum | V&V |
| C.S0004-A-1 | IS-2000.4-A-1 | LAC Layer - Release A Addendum | V&V |
| C.S0005-A-1 | IS-2000.4-A-1 | Layer 3 Signaling - Release A Addendum | V&V |
| C.S0015 | IS-637 | SMS | In development |
| C.S0016 | IS-683-A | OTASP/OTAPA | In development |

| 3GPP2 QUORUM ROLL CALL | | | | |
|---|------------------------|------------------------|----------------------------|-------------------------------|
| TSG-C (cdma2000) | | | | |
| August 27, 2000 | | | | |
| COMPANY | Attendance 08/21/00 | Attendance 08/25/00 | Consecutive Mtgs Missed | Quorum Status at Mtg Start |
| 3 COM | | 1 | 0 | 1 |
| 3G-COM WIRELESS | | | 3 | 0 |
| ADVANTEST | | | 0 | 1 |
| AGILENT TECHNOLOGIES | | | 0 | 1 |
| ALPS ELECTRIC | | | 2 | 0 |
| BELL MOBILITY | 1 | | 2 | 1 |
| BELL SOUTH ENTERPRISES | | | 1 | 0 |
| BROADCOM | | | 1 | 0 |
| COMSAT | 1 | | 1 | 0 |
| CONEXANT | 1 | | 0 | 1 |
| DDI | 1 | | 0 | 1 |
| DENSO INTERNATIONAL | 1 | | 0 | 1 |
| DOCOMO US LABORATORIES | 1 | | 0 | 1 |
| DOT WIRELESS | 1 | | 0 | 1 |
| DYNASTAT | 1 | | 0 | 1 |
| ERICSSON | 1 | | 0 | 1 |
| FRANCE TELECOM | | | 0 | 1 |
| FUJITSU | 1 | | 0 | 1 |
| GLOBALSTAR | | | 0 | 0 |
| HITACHI | 1 | | 0 | 1 |
| HYUNDAI | 1 | | 0 | 1 |
| IDO | | | 0 | 1 |
| INTEL | | | 0 | 1 |
| KDD | 1 | | 0 | 0 |
| KYOCERA | 1 | | 0 | 1 |
| LGIC | 1 | | 0 | 1 |
| LINKAIR | 1 | | 0 | 1 |
| LSI LOGIC | 1 | | 0 | 1 |
| LUCENT | 1 | | 0 | 1 |
| MATSUSHITA/PANASONIC | 1 | | 0 | 1 |
| MITSUBISHI ELECTRIC | 1 | | 0 | 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 | | | 0 | 1 |
| PRAIRIECOMM | 1 | | 0 | 0 |
| QUALCOMM | 1 | | 0 | 1 |
| QUICKSILVER | | | 0 | 1 |
| SAMSUNG | 1 | | 0 | 1 |
| SCHLUMBERGER | | | 1 | 0 |
| SHARP | | | 0 | 0 |
| SIEMENS | | | 0 | 1 |
| SIERRA WIRELESS DATA | 1 | | 0 | 1 |
| SIRF TECHNOLOGY | 1 | | 0 | 1 |
| SK TELECOM | | | 0 | 0 |
| SONY | | 1 | 0 | 1 |
| SPRINT PCS | 1 | | 0 | 1 |
| TEKTRONIX | | | 0 | 1 |
| TOSHIBA | 1 | | 0 | 1 |
| QWEST COMMUNICATIONS | 1 | | 0 | 1 |
| VERIZON WIRELESS | 1 | | 0 | 1 |
| ZTE | | | 1 | 0 |
| TOTALS | 31 | 2 | | 42 |
| QUORUM CALCULATION | 74% | 5% | | |
| ADDITIONS | | | | |
| GEMPLUS | 1 | | | |
| ALCATEL | | 1 | | |
| OBSERVERS AND GUESTS | | | | |
| TANTIVY COMMUNICATIONS | 1 | | | 0 |
| ALLTEL | 1 | | | 0 |
| NEOPOINT | 1 | | | 0 |
| ENVOY NETWORK | 1 | | | 0 |
| XIRCOM | 1 | | | 0 |
| | | | | 0 |
| 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 | | | | |