

**Title:**

---

Approved Meeting Summary of 3GPP2 TSG-C Meetings for 4/25-28/00 in Seattle, WA

**Source:**

---

Clifton J. Barber

SECRETARY

Oki Telecom, Inc. 70 Crestridge Drive Suite 150 Suwanee, Georgia 30024  
(678) 482-2669 Fax (678) 482-9946 cbarber@okitele.com

**Abstract:**

---

This document represents a summary of the 4/25-28/00 TSG-C meetings in Seattle, WA.

**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 4/25-28/00, 3GPP2 TSG-C meetings were held at the Four Seasons Hotel in Seattle, WA. This document is intended to summarize the proceedings.

### OPENING PLENARY

The meeting was called to order at 10:30 AM local time on 4/25/00 by TSG-C Chair, Jean Alphonse (GTE Wireless).

- The roll call of companies indicated that 29 companies already included on the list of 36 active members were present and thus quorum was established (81% participation).
- The proposed agenda (C00-20000425-001) was presented and approved without objection as submitted.
- Contribution register was noted (C00-20000425-000R1). Contributions were numbered, distributed, and assigned to agenda items.
- The meeting summary from the 3/00 meetings in Cheju, Korea (C00-20000425-002) was presented and approved without objection as submitted.
- An unofficial summary of the 4/19/00 3GPP2 SC meeting in Vancouver, BC (C00-20000425-003) was presented as FYI.
  - This contribution was remanded to WG1 and all 1x enhancement adhoc as FYI.
  - The IETF Report (C00-20000425-004) was remanded to WG1 for action as appropriate.
  - All 1x enhancement adhoc were requested to prepare an executive summary by the closing Plenary. The Chair direction for preparation of a comparative matrix from the last Plenary was withdrawn.
  - The IOTA Stage 1 and Stage 2 (C00-20000425-005) was remanded to WG1 and WG2 for comment.
- CORRESPONDENCE
  - The Liaison statement from ITU-R TG 1/5 regarding unwanted emission limits (C00--20000425-009) was presented as FYI.
  - The ITU-R WP 8F Liaison Statement for RSPC revision (C00-20000425-008) was presented as FYI.
  - The meeting summary of the first ITU-R WP 8F meeting (C00-20000425-007) was presented as FYI.

These contributions (C00-20000425-007, C00-20000425-008, and C00-20000425-009) were all remanded to WG3 and WG4 as FYI.

- Proposed revisions to technical report Q.FSR (C00-20000425-011) were presented as FYI. This contribution was remanded to WG2 for action as appropriate.
- The supplement for Q.1701 framework from ITU-T (C00-20000425-011) was presented as FYI. This document was remanded to WG2 as FYI.
- The Abis specification (C00-20000425-014) was presented as FYI.
- The 3GPP2 workplan v16+ (C00-20000425-018) was presented and remanded to WG1 for review and comment as appropriate.
- Correspondence from TSG-P to TSG-A regarding QoS support for packet data (C00-20000425-012) was presented and remanded to WG1 as FYI.
- Committee correspondence from TSG-P regarding IP data broadcast and multicast services (C00-20000425-013) was presented and remanded to WG1 as FYI.
- A contribution from Sprint PCS requesting the addition of IP data broadcast and multicast services to the Release B workplan (C00-20000425-020) was presented and remanded to WG1 for consideration and action as appropriate.
- A proposal for idle mode acquisition of digital signal from analog mode (C00-20000425-017) was presented and remanded to WG1 for consideration as a part of the Release B workplan and to WG2 and WG3 as FYI.
- OLD BUSINESS
  - A summary of the 1xtreme AdHoc meeting in Cheju (C00-20000425-021) was presented as FYI.
  - A summary of HDR call flows (C00-20000425-019) was presented and remanded to the HDR AdHoc for consideration and action as appropriate.
  - A summary of benefits of LAS-CDMA (C00-20000425-022) was presented and remanded to the LAS AdHoc for action as appropriate.
  - A list of requirements for 1x enhancements (C00-20000425-023) was presented and remanded to the WG1 for review.
  - The leadtime requirements for V&V on Release B activities (C00-20000425-015) were presented as FYI. This issue will also be discussed at the Chairman's meeting.
- LIAISON REPORTS - None additional.
- NEW BUSINESS - None additional.

The meeting was recessed on 04/25/00 at 11:30 PM local time.

## CLOSING PLENARY

The Plenary was reconvened on 04/28/00 at 2:45 PM local time.

- The Chair noted that this was the last day for WG2 Chair, Kim Chang (Nortel Networks), who was assuming other responsibilities within Nortel Networks and he thanked Kim for his great service. Orlette Pearson (Lucent) was appointed as the new WG2 Chair.
- CORRESPONDENCE - none
- WORKING GROUP REPORTS:
  - WG1 REPORT (C00-20000425-101) was presented by the WG1 Chair, Phil Brown (Ericsson), as FYI.
    - SMV codec selection as completed. SMV6 from Conexant was selected as the baseline SMV codec which will be used as the focal point of a collaboration effort to generate a final codec design. This effort will be limited to 6 months. At this time, there is no plan to make a back-up selection.
    - Held preliminary review of video services Stage 1 documents and possible selection of default codecs for the video and supporting audio. There were also some discussions regarding the error resilience of the RLP layer as it relates to video services and QUALCOMM agreed to do some testing related to this issue.
    - Correspondence to TSG-S regarding the NRM indicating no TSG-C issues or concerns (C00-20000425-112) was developed. This correspondence was approved without objection for transmission with a minor correction to the Chair's e-mail address.
    - A review of the IOTA documents with respect to IS-683-A is in process.
    - The new role of SMG9 was reviewed and response correspondence will be generated at the next meeting.
    - Initial discussions of TSG-C Release B workplan issues were held but primary discussions were deferred until the next meeting when the CDG SRD on cdma2000 air interface enhancements could be considered.
    - Proposed publication text for C.P1001-A (TSB-58-C) (C00-20000425-110) was presented. This document was approved for publication without objection. The Chair will liaise this to all OPs.
    - The TSG-C Release A specification list v3 (C00-20000425-111) was presented as FYI.
    - The WG1 Chair will develop a proposal for a TSG-C document management system to be submitted for consideration at the next meeting.

- Two (2) TSG-C PN numbers were requested to develop specification text for video conference and streaming services including the identification of codecs and definitions of associated service options. Impacts to lower layer facilities will be addressed in other documents (i.e., MAC, LAC, or whatever). These projects were approved.
- An additional PN was requested for minimum TTY performance specification. There was some concern expressed regarding whether WG1 or WG4 should handle this item based on scope and charter definitions. The Chair directed that WG1 would handle this issue in consultation with WG4 as required and the request for PN was approved.
- WG2 REPORT (C00-20000425-102) was presented by WG2 Chair, Kim Chang (Nortel Networks), as FYI:
  - Resolved all ballot comments for IS-2000-1. A draft was submitted to WG3 for review and their comments were also incorporated. The document was liaised to TR45.5 for action.
  - Reviewed Stage 1 descriptions for video services and no issues or concerns were identified at this time but the documents are still open for consideration.
  - Reviewed IOTA and determined no impact. However, IS-683-A may be impacted but this must be reviewed by WG1.
  - WG2 workplan discussion will be held at the next meeting and all WG2 participants have been asked to prepare for these discussions.
- WG3 REPORT (C00-20000425-103) was presented by WG3 Chair, Ed Tiedemann (QUALCOMM):
  - Received a draft of IS-2000-1 from WG2. WG3 changes were incorporated and the document was approved from a WG3 perspective.
  - Reviewed the 3GPP2 SCG provided by TSG-S and provided comments (C00-20000425-113). These comments will be included in the Liaison Report to TSG-S.
  - Generated list of new features being planned for Release B for incorporation into the TSG-C workplan (C00-20000425-114) but no action from the Plenary was required at this time. Since the Release B schedule is still in process, the schedule for submission of new concepts for Release B to the next meeting.
  - The Chair noted that, during the next meeting, the CDG SRD will be available for review and the TSG is expected to finalize its workplan for Release B at that time.

- Proposed requirements for enhancements for cdma2000 air interface from China Unicom (C00-20000425-023) were presented. The contribution had been previously remanded to WG 1 for review. The contributor was reminded the contribution should be submitted to TSG-S . The Chair also indicated that TSG-C will be developing its own technical requirements.
- WG4 REPORT (C00-20000425-104) was presented WG4 Vice Chair, by Dave Whipple (Agilent Technologies):
  - Spent time reviewing and approving a multitude of meeting summaries
  - IS-97 and IS-98 text development is in process. They have developed a strategy to complete all text with the exception of data table ASAP and submit that to V&V. Two (2) new service options will be added including TDSO (test data service option) and Markov.
- OLD BUSINESS
  - 1XTREME ADHOC: The adhoc met and had technical discussions on the proposal and the executive summary of the 1XTREME proposal (C00-20000425-107) was developed. This executive summary was approved without objection for transmission to the SC Chair and copied to TSG-S as FYI.
  - HDR ADHOC: The adhoc met and had technical discussions on the proposal (meeting summarized in C00-20000425-109) and the executive summary of the HDR proposal (C00-20000425-108) was developed. This executive summary was approved without objection for transmission to the SC Chair and copied to TSG-S as FYI.
  - LAS-CDMA ADHOC: The adhoc met and had technical discussions on the proposal and the executive summary of the LAS-CDMA proposal (C00-20000425-106) was developed. This executive summary was approved without objection for transmission to the SC Chair and copied to TSG-S as FYI.
  - Since the 1XTREME ADHOC was the only group the kept to the one (1) page restriction that was initially imposed by the Chair, the Chair agree that language would be included in the cover letter explaining the reason for the limited input from that group and advising that a more detailed summary would be developed at a future meeting.
  - The cover letter will also indicate that the executive summary were produced by the adhoc's and have not been reviewed for technical completeness or consistency by TSG-S and do not represent the position of TSG-C. The cover letter will be broadcast to the TSG e-mail exploder.
  - A conference call of the TSG-C leadership will be held on 5/25/00 to discuss the CDG air interface enhancements SRD.

- Oki Telecom expressed concern that the TSG-C Chair has specified his intention to develop requirements within TSG-C based on the following issues:
  - Duplication of effort with TSG-S
  - Going beyond the charter of TSG-C
  - Poor definition of the difference in requirements being developed by TSG-C and TSG-S

The Chair indicated that TSG-C would not generate requirements but only attempt to align requirements which it reviews in support of the TSG-S requirements development function.

- The Chair also indicated that he has requested that all persons who participated in the development of the CDG SRD to be present at the next TSG-C meeting.
- The publication of the 3GPP2 Release A documents which include the TIA ballot resolutions will be completed at the opening plenary of the next meeting.
- NEW BUSINESS
  - A preliminary draft of the year 2001 schedule was posted to the server.
- FUTURE MEETING SCHEDULE
  - 6/5-9/00 Delta Pinnacle Hotel in Vancouver, BC
  - 7/10-14/00 Mauna Lani Bay Hotel in Kohala Coast, Hawaii, HI
  - 8/21-25/00 Hyatt at Fisherman's Wharf in San Francisco, CA

The Plenary was adjourned on 04/28/00 at 4:25 PM local time.

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

NUMBER	SUBJECT	SOURCE
<b>OPENING PLENARY - 3GPP2-C00-20000425-</b>		
001	AGENDA	CHAIR
002	Meeting summary - 3/14/00 - Arlington, VA	SECRETARY
003	Unofficial SC meeting summary	SECRETARY
004	Report on IETF Activities	SC IETF LIAISON
005	IOTA Handset Configuration Management Stage 1 and Stage 2	CDG IOTA TEAM
006	3GPP2 WPD - 4/19/00	SC
007	WP 8F Meeting Summary	LUCENT
008	Regarding WP 8F Liaison Statement on RSPC Revision	LUCENT
009	Regarding TG 1/5 Liaison Statement on Unwanted Emission Limits	LUCENT
010	TSG-A correspondence on work plan	TSG-A
011	Supplement to ITU-T Recommendation Q.1701 Framework for IMT-2000 Networks – Roadmap to IMT-2000 Recommendations, Standards and Technical Specifications	NORTEL NETWORKS
012	Assured mode and QoS support for packet data	TSG-P
013	IP data broadcast and multicast services	TSG-P
014	Abis technical specification	TSG-A
015	V&V Leadtime	V&V CHAIR
016	ITU-R Q.FSR Draft Report	LUCENT
017	Offline acquisition of digital signal and analog-to-digital handoff	INTEL
018	3GPP2 workplan	PMT CHAIR
019	1x HDR/IS-2000 access network change scenarios	QUALCOMM, LUCENT, ERICSSON
020	Correspondence regarding inclusion IP data broadcast and multicast in Release B workplan	SPRINT PCS
021	Summary of 1xtreme AdHoc meeting in Cheju, Korea	1XTREME ADHOC
022	LAS Benefits	CWTS
023	Enhanced 1x requirements	CHINA UNICOM
<b>WG1 - APPLICATION SERVICES - 3GPP2-C10-20000425-</b>		
001	Draft Agenda	CHAIR
002	Contribution Status	CHAIR
003	Meeting Summary #12 (March, 2000) - draft	CHAIR
004	Meeting Summary #11 (February, 2000) - draft	CHAIR
005	Meeting Summary #10 (January, 2000) - draft	CHAIR
006	Meeting Summary #9 (December, 1999) - draft	CHAIR
007	Meeting Summary #8 (November, 1999) - draft	CHAIR
008	Request for Markov and TDSO SO Numbers and Titles	WG4



009	C.P1001-A (TSB58-C) proposed baseline text v0.3.0	EDITOR
010	TSG-C specification and project list	CHAIR
011	Corr re: TSG-S liaison report addendum 3/00 (C00-20000330-106)	TSG-S LIAISON
012	Corr re: ISDN Interworking for Release B (C00-20000330-107)	TSG-S
013	Corr re: NRM changes for Packet Control (C00-20000330-108)	TSG-S
014	Corr re: Master Work Item List (C00-20000330-111)	TSG-S
015	April 19, 2000 Steering Committee liaison report (C00-20000425-003)	3GPP2 SC LIAISON
016	Report on IETF activity (C00-20000425-004)	LUCENT
017	IOTA Handset Configuration Management Stage 2 (C00-20000425-005)	CDG IOTA TEAM
018	Corr to TSG-S re: 3GPP2 work plan (C00-20000425-010)	TSG-A
018	Corr to TSG-A re: Assured Mode and QoS Support (C00-20000425-012)	TSG-P
020	Corr to TSG-A re: IP Data Broadcast and IP Multicast (C00-20000425-013)	TSG-P
021	Offline acquisition of digital signal and analog-to-digital handoff (C00-20000425-017)	INTEL
022	3GPP2 work plan V16+ (C00-20000425-018)	TSG-S PMT
023	Corr to TSG-S re: multicast/broadcast (C00-20000425-020)	SPRINT PCS
024	Proposed requirements for enhancements to cdma2000 air interface (C00-20000425-023)	CHINA UNICOM
025	Corr re: System Assisted Mobile Positioning via Satellite (SAMPS) Stage 1	TR-45.3
026	SWG1 report	SWG1
027	SWG2 report	SWG2
028	SWG3 report	SWG3
029	Return corr to TSG-S re: NRM	SWG3
030	SWG4 report	SWG4
<b>SWG1.1 - VOICE SERVICES- 3GPP2-C11-20000425-</b>		
001	Proposed Agenda for the 3GPP2 TSG-C WG 1 SWG 1 Meeting #10	CHAIR
002	Report of the February 2000 TSG-C1.1 Voice Services Meeting	CHAIR
003	Test Plan and Requirements of the Selectable Mode Vocoder	CHAIR
004	eX-CELP A candidate for the proposed SMV codec selection by the 3GPP2 - TSG-C1.1	CONEXANT
005	eXtended CELP: A Candidate for the SMV Codec Selection by the 3GPP2 - TSG-C1.1	CONEXANT
006	DVSI HX-SD Selectable Mode Vocoder	DVSI
007	DVSI HX-SD Selectable Mode Vocoder: Presentation	DVSI
008	Initial Document in Support of the Ericsson Selectable Mode	ERICSSON

009	Presentation of E-SMV, the Ericsson Selectable Mode Vocoder	ERICSSON
010	Selectable Mode Vocoder Algorithm	LUCENT, MOTOROLA, AND QUALCOMM
011	3GPP2 Presentation: Selectable Mode Vocoder	LUCENT, MOTOROLA, AND QUALCOMM
012	void	
013	void	
014	Adaptive Windows Algebraic CELP	NOKIA
015	Nokia SMV Coder - An Overview	NOKIA
016	High Level Description of the Nortel Networks SMV Candidate	NORTEL
017	The summary of Nortel Networks SMV candidate	NORTEL
018	void	
018	void	
020	SMV In-band Data Channel Issues	LUCENT
021	Results of SMV Pre-Selection Characterization Tests	DYNASTAT
022	SMV Selection Test - Preliminary Test Results	COMSAT
023	SMV Selection Test - Preliminary Test Results (Unblinded)	COMSAT
024	SMV Schedule Version 5.0	CHAIR
025	Discussion of the SMV Test Results and a Call for Collaboration	LUCENT
026	Comments from the Chair	CHAIR
027	SMV Results and Selection Process	DVSI
<b>SWG1.3 - DATA SERVICES- 3GPP2-C14-20000426-</b>		
001	Agenda	CHAIR
002	Corr re: ISDN Interworking for Release B (C10-20000425-012; C00-20000330-107)	TSG-S
003	Corr re: NRM changes for Packet Control (C10-20000425-013; C00-20000330-108)	TSG-S
004	Corr to TSG-A re: Assured Mode and QoS Support (C10-20000425-019; C00-20000425-012)	TSG-P
005	Corr to TSG-A re: IP Data Broadcast and IP Multicast (C10-20000425-020; C00-20000425-013)	TSG-P
<b>SWG1.4 - ANCILLARY SERVICES AND MS INTERFACES - 3GPP2-C14-20000425-</b>		
001	Agenda	CHAIR
002	Cheju Meeting Summary, March, 2000	CHAIR
003	Seattle Contribution Log	CHAIR
004	IOTA_Stage2 cover sheet	C1
005	IOTA_stage2_v2.4	C1
006	IOTA_Stage1_V1-07	C1
007	LAS-CDMA_ad-hoc	CWTS
008	China Unicom_Comments	CHINA UNICOM

009	B25pd27	SMG9
010	SMG9	SMG9
011	PN4690_Ballot_Response_letters	TIA
012	PN-4690_Publication_version.doc	TIA
013	OTASP support for data only devices	SIERRA WIRELESS
<b>SWG1.5 - WORKPLAN - 3GPP2-C15-20000425-</b>		
001	Agenda	CHAIR
002	Draft Meeting Summary 0003	CHAIR
003	Contribution Status Log	CHAIR
004	Corr re: Master Work Item List (C00-20000330-111)	TSG-S
005	Corr to TSG-A re: IP Data Broadcast and IP Multicast (C00-20000425-013)	TSG-P
006	Offline acquisition of digital signal and analog-to-digital handoff (C00-20000425-017)	INTEL
007	3GPP2 work plan V16+ (C00-20000425-018)	TSG-S PMT
008	Corr to TSG-S re: multicast/broadcast (C00-20000425-020)	SPRINT PCS
<b>WG2 - SIGNALING AND PROTOCOL - 3GPP2-C20-20000425-</b>		
001	Meeting Agenda	CHAIR
002	Meeting Summary	CHAIR
003	Meeting Summary	CHAIR
004	AMPS-to-CDMA handoff (C00-20000425-017)	INTEL
005	IOTA Stage 1 and 2 (C00-20000425-005)	TSG-S
006	Supplement (C00-20000425-011)	NORTEL
007	Q-FSR (C00-20000425-016)	LUCENT
101	SWG2.1 Summary	SWG2.1
102	Addendum - 2000.3/4/5/6	EDITOR
<b>SWG2.1 - MAC SIGNALING - 3GPP2-C21-20000425-</b>		
001	Draft Agenda	CHAIR
002	Reserved	
003	Contribution Status	CHAIR
004	LSI Logic Comments for IS-2000.3-A BRV	LSI
005	IS-2000-1.3 Final Version	EDITOR
006	FCCCH	QUALCOMM
007	Corr Video Services Stage 1	REMAND
<b>SWG2.3 - LAYER 3 SIGNALING - 3GPP2-C23-20000425-</b>		
001	Meeting Agenda	CHAIR
002	Meeting Summary, February	CHAIR
003	Meeting Summary, March	CHAIR
004	PAC - Qualcomm WG2 0327-003	QUALCOMM

005	Video Services WG2 0327-007,	TSG-S
101	Addendum Mtg Summary	AD HOC
102	SO grouping TSB-58-C	LUCENT
103	Addendum IS-2000.5	EDITOR
<b>WG3 - PHYSICAL LAYER - 3GPP2-C30-20000425-</b>		
001	Meeting Agenda	CHAIR
002	Meeting summary -	
003	Contribution List, V29	CHAIR
004	IS-2000.2 Physical Layer Features	QUALCOMM
005	A simple extension of the STTD for more than two antennas	NOKIA
006	Simulation Results of Coding Diversity Soft Handoff Design	LGIC
007	Title: Use of more than 2 Tx Antennas for Closed Loop Tx Diversity systems	SAMSUNG
008	Response to "Time offset for Non-orthogonal Physical Channels" Questions	LGIC
009	Site Selection Diversity Transmit Power Control (SSDT)	FUJITSU
010	Puncturing for Flexible Data Rate	SAMSUNG
011	Inter-generation Handoff Ad Hoc Report	IGHO ADHOC
012	Summary Review of 3GPP2 System Capability Guide Release A	NOKIA
013	Letter from Friedhelm Hillebrand, Chair ETSI TC SMG on European Harmonized Standards	ETSI
014	Invitation for a kick-off Meeting on European Harmonised Standards for UMTS/IMT 2000 on 3/4 May 2000	ETSI
015	IS-2000.2 Addendum	TR45.5
<b>CLOSING PLENARY - 3GPP2-C00-20000425-</b>		
101	WG1 Report	WG1
102	WG2 Report	WG2
103	WG3 Report	WG3
104	WG4 Report (no report)	WG4
105	V&V AdHoc Report	V&V ADHOC
106	Executive summary - LAS-CDMA	LAS ADHOC
107	Executive summary - 1xtreme	1XTREME ADHOC
108	Executive summary - HDR	HDR ADHOC
109	HDR AdHoc meeting summary	HDR ADHOC
110	C.P1001-A proposed publication text	WG1
111	TSG-C specification list v3+	WG1
112	Correspondence to TSG-S regarding NRM	WG1
113	TSG-C WG3 comments on 3GPP2 SCG	WG3
114	IS-2000.2-A physical layer features	WG3

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

REFERENCE		TITLE	STATUS
3GPP2	TIA		
	IS-2000-1	IS-2000 Release 0 Addendum	Completed. Liaised to TR45.5
C.P0010-A	TIA/EIA-97-D	Base Station Minimum Performance	SDO ballot = 6/00
C.P0011-A	TIA/EIA-98-D	Mobile Station Minimum Performance	SDO ballot = 6/00
C.P0016-A	IS-683-B	OTASP of MS in Spread Spectrum Systems	SDO ballot = 6/00
C.P0017-0-2	IS-707-A-2	Data SOs for Spread Spectrum Systems	Ballot resolution
C.P9001		SMV (Selectable Mode Vocoder)	SDO ballot = 12/00
C.P9005		Test Data Service Option (TDSO)	
C.P9006		Markov Service Option (MSO)	
C.P9007		Video Streaming Service	
C.P9008		Video Conferencing Service	
C.P9009		TTY Minimum Performance Specification	
C.R1001-A	TSB58-C	Parameter Value Assignments	Published 3/00
C.S0001-A	IS-2000.1-A	Introduction - Release A	TIA approved 3GPP2 republish 6/00
C.S0002-A	IS-2000.2-A	Physical Layer - Release A	TIA approved 3GPP2 republish 6/00
C.S0003-A	IS-2000.3-A	MAC Layer - Release A	TIA approved 3GPP2 republish 6/00
C.S0004-A	IS-2000.4-A	LAC Layer - Release A	TIA approved 3GPP2 republish 6/00
C.S0005-A	IS-2000.5-A	Layer 3 Signaling - Release A	TIA approved 3GPP2 republish 6/00
C.S0006-A	IS-2000.6-A	Analog Operations - Release A	TIA approved 3GPP2 republish 6/00
C.S0007	IS-834	G3G CDMA-DS on ANSI-41	TIA approved 3GPP2 republish 6/00
C.S0008	IS-833	G3G CDMA-MC on GSM-MAP	TIA approved 3GPP2 republish 6/00
C.S0023	IS-820	R-UIM	Published 4/00

3GPP2 QUORUM ROLL CALL				
TSG-C (cdma2000)				
May 2, 2000				
COMPANY	Attendance 04/25/00	Attendance 04/28/00	Consecutive Mtgs Missed	Quorum Status at Mtg Start
3 COM	1		0	1
3G-COM WIRELESS			2	0
ADVANTEST	1		2	1
AGILENT TECHNOLOGIES	1		3	0
BELL MOBILITY		1	2	1
BELL SOUTH ENTERPRISES			3	0
COMSAT	1		3	0
CONEXANT		1	2	1
DDI	1		2	1
DENSO INTERNATIONAL	1		0	1
DOT WIRELESS	1		3	0
DYNASTAT			2	1
ERICSSON	1		0	1
FRANCE TELECOM	1		3	0
FUJITSU	1		0	1
GEMPLUS			3	0
GTE	1		0	1
HITACHI	1		0	0
HUGHES NETWORK SYSTEMS			3	0
HYUNDAI	1		0	1
IDO	1		2	1
IFR SYSTEMS			3	0
INTEL	1		0	1
KDD			3	0
LGIC	1		0	1
LINKAIR	1		0	0
LSI LOGIC			0	0
LUCENT	1		0	1
MATSUSHITA/PANASONIC	1		0	1
METAWAVE COMMUNICATIONS			3	0
mitsubishi electric	1		2	1
MOTOROLA	1		0	1
NEC			0	1
NOKIA	1		0	1
NORTEL NETWORKS	1		0	1
NTT AMERICA	1		0	1
OKI TELECOM	1		0	1
PHILLIPS	1		0	1
QUALCOMM	1		0	1
RACAL INSTRUMENTS			3	0
SAMSUNG	1		0	1
SIEMENS	1		2	1
SIERRA WIRELESS DATA	1		2	1
SIRF TECHNOLOGY		1	2	1
SK TELECOM			0	0
SNAPTRACK			2	1
SONY	1		0	0
SPRINT PCS	1		0	1
TEKTRONIX	1		2	1
TOSHIBA	1		0	1
US WEST	1		2	1
VERIZON WIRELESS	1		0	1
VODAFONE AIRTOUCH			0	1
<b>TOTALS</b>	<b>29</b>	<b>3</b>		<b>36</b>
<b>QUORUM CALCULATION</b>	<b>81%</b>	<b>8%</b>		
<b>ADDITIONS</b>				
ALPS ELECTRIC	1			
PRAIRIECOM	1			
QUICKSILVER	1			
SHARP	1			
<b>OBSERVERS AND GUESTS</b>				
				0
				0
				0
				0
				0