Title:
APPROVED SUMMARY OF 3GPP2 TSG-C MEETINGS for 9-13 December 2002 in Maui, HI
Source:
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Abstract:
This document is a summary of the 3GPP2 TSG-C meetings that were held during the period of 9-13 December 2002 in Maui, HI. Recommendation:
Review and adopt.
Notice:
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- During the period of 9-13 December 2002, 3GPP2 TSG-C meetings were held at the Outrigger
- 2 Wailea Hotel in Maui, HI. This document is intended to summarize those proceedings.

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OPENING PLENARY

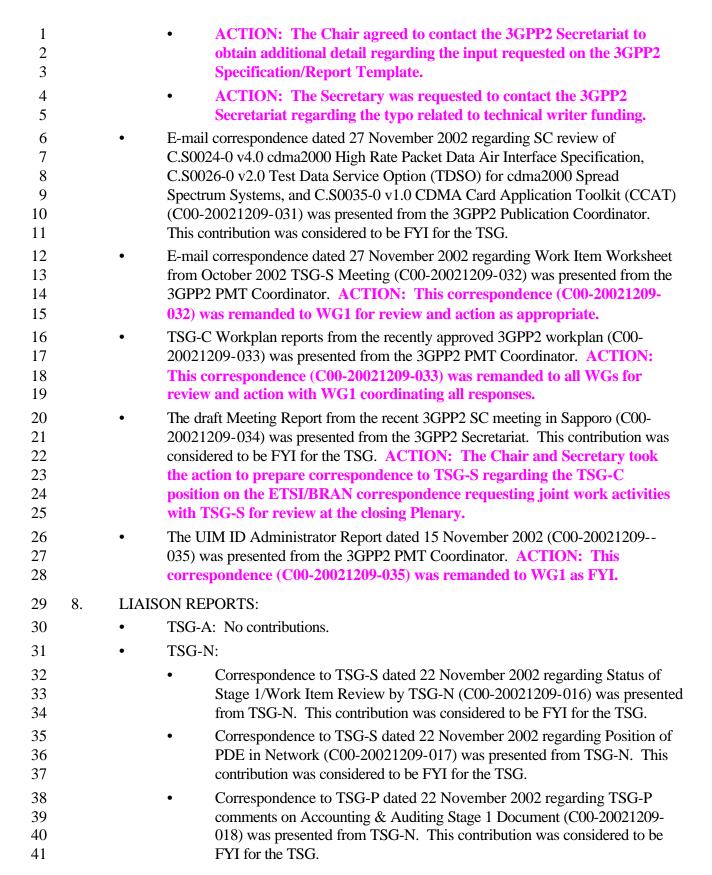
- 5 1. CALL TO ORDER AND OPENING REMARKS: The meeting was called to order at 9:55 AM local time on 9 December 2002 by TSG-C Chair, Jean Alphonse (Lucent).
- 7 2. ATTENDANCE REGISTRATION AND ROLL CALL: A roll call of companies indicated that 24 companies included on the list of 36 active members were present (67% participation).
- The Chair welcomed everyone to Maui, HI.
- 11 3. INTRODUCTION AND NUMBERING OF CONTRIBUTIONS: Contributions were loaded onto the 3GPP2 network server and listed in the document register (C00-20021209000).
- AGENDA APPROVAL: The proposed agenda (C00-20021209-001) was presented.
 DECISION: The agenda (C00-20021209-001) was approved without objection as submitted.
- 17 5. ASSIGNMENTS OF CONTRIBUTIONS TO AGENDA ITEMS: Contributions were assigned to agenda items as noted on the agenda.
- 19 6. APPROVAL OF PREVIOUS MEETING SUMMARIES:
 - The summary of the October 2002 meeting in Quebec City, PQ, Canada (C00-20021209-004) was presented. **DECISION: The summary of the October 2002 meeting (C00-20021209-004) was approved without objection as submitted.**
 - The summary of the June 2002 meeting in Shenzhen, China (C00-20021209-002) was presented. **DECISION:** The summary of the June 2002 meeting (C00-20021209-002) was approved without objection as submitted.
 - The summary of the September 2002 meeting in Cheju, Korea (C00-20021209-003) was presented. **DECISION:** The summary of the September 2002 meeting (C00-20021209-003) was approved without objection as submitted.

30 7. CORRESPONDENCE:

- ITU Liaison Statements (C00-20021209-028) were presented from ITU SG16.

 ACTION: Contributions C00-20021209-028A, C00-20021209-028B, and
 C00-20021209-028C were remanded to WG1 for review and action.

 Contribution C00-20021209-028D was remanded WG1, WG2, and WG3 for review and action as appropriate.
 - Correspondence dated 15 November 2002 regarding the status of open issues (C00-20021209-030) were presented from the 3GPP2 Secretariat.



Correspondence dated 22 November 2002 regarding N.P0041 Support for 1 2 the Mobile Equipment Identity (MEID) (C00-20021209-019) was 3 presented from TSG-N. ACTION: This correspondence (C00-20021209-019) was remanded to WG2 for review and action and 4 5 to WG1 for review and action as appropriate. 6 Correspondence to TSG-S dated 22 November 2002 regarding MMD 7 Security (C00-20021209-020) was presented from TSG-N. This 8 contribution was considered to be FYI for the TSG. 9 TSG-N Correspondence to TSG-S and TSG-P dated 25 October 2002 10 regarding S.P0084 Packet Prepaid Service in cdma2000 Wireless IP Network (C00-20021209-021) was presented from TSG-N. This 11 12 contribution was considered to be FYI for the TSG. 13 Correspondence to TSG-A dated 22 November 2002 regarding SR ID in 14 ANS-41 Messaging for Intersystem Page (C00-20021209-022) was 15 presented from TSG-N. This contribution was considered to be FYI for the TSG. 16 17 Correspondence to TSG-S dated 22 November 2002 regarding Evolution 18 Document Meeting (C00-20021209-023) was presented from TSG-N. This contribution was considered to be FYI for the TSG. 19 20 Correspondence to all TSGs dated 25 October 2002 regarding 3GPP2 MIME Type (C00-20021209-024) was presented from TSG-N. 21 22 ACTION: This correspondence (C00-20021209-024) was remanded to 23 WG1 for review and action as appropriate. 24 Correspondence to all TSGs dated 25 October 2002 regarding IFAST#21 25 Liaison Report (C00-20021209-029) was presented from TSG-N. ACTION: This correspondence (C00-20021209-029) was remanded to 26 27 all WGs for review and action as appropriate with responses to be 28 coordinated by WG1. 29 TSG-S: 30 Correspondence to all TSGs dated 30 October 2002 regarding Initial Review of Revision A of Broadcast and Multicast Services (S.P0030-A) 31 32 (C0020021209-005) was presented from TSG-S. ACTION: This 33 correspondence (C00-20021209-005) was remanded to all WGs for 34 review and action with WG1 coordinating all responses. 35 Correspondence to all TSGs dated 30 October 2002 regarding Release 36 Planning Process (C00-20021209-006) was presented from TSG-S. ACTION: This correspondence (C00-20021209-006) was 37 38 remanded to all WGs as FYI. 39 ACTION: WG1 will provide a representative to participate in the SWG3.2 meeting regarding formal 3GPP2 release planning 40 41 process to determine the content for subsequent releases of 42 cdma2000 on 10 December 2002 on behalf of TSG-C.

1 2 3 4 5 6	•	Correspondence to TSG-N dated 4 November 2002 regarding TSG-N correspondence "3GPP2 Evolution Document (Version 1.1.0) dated 9 August 2002 (C00-20021209-007) was presented from TSG-S. Based on input from the PMT Chair, the TSG determined that the issues to be discussed at the meeting proposed in the correspondence. Therefore, this contribution was considered to be FYI for the TSG.
7 8 9 10	•	Correspondence to all TSGs dated 4 November 2002 regarding Review and Updates for the Evolution Document S.P0038 v1.1.0 (C00-20021209-008) was presented from TSG-S. This contribution was considered to be FYI for the TSG.
11 12 13 14 15	•	Correspondence to all TSGs dated 4 November 2002 regarding 3GPP2 Workplan – Chairs Report Modification (C00-20021209-009) was presented from TSG-S. ACTION: This correspondence (C00-20021209-009) was remanded to WG1 for review and action as appropriate.
16 17 18 19 20	•	Correspondence to all TSGs dated 4 November 2002 regarding Final Review of the cdma2000 Wideband Speech Codec Stage-1 Requirements document (S.P0080-0) (C00-20021209-010) was presented from TSG-S. ACTION: This correspondence (C00-20021209-010) was remanded to all WGs for review and action with WG1 coordinating all responses.
21 22 23 24 25	•	Correspondence to TSG-N dated 14 November 2002 regarding TSG-N Review of the MEID Stage 1 Document (3GPP2 S.R0048-A) (C00-20021209-011) was presented from TSG-S. ACTION: This correspondence (C00-20021209-011) was remanded to all WGs as FYI.
26 27 28 29	•	The TSG-S Stage 1 Document Status Table dated 14 November 2002 (C00-20021209-012) was presented from TSG-S. ACTION: This correspondence (C00-20021209-012) was remanded to WG1 for review and action as appropriate.
30 31 32 33 34 35	•	The following documents were released for publication by TSG-S at their Sapporo meeting and subsequently approved after the 15-day review period: S.R0061-0 v1.0 IM Stage 1 (C00-20021209-013) S.R0062-0 v1.0 Presence Stage 1 (C00-20021209-014) S.R0064-0 v1.0 MMS Stage 1 (C00-20021209-015)
36		These contributions were considered to be FYI for the TSG.
37 38 39 40	•	The TGS-S Liaison noted that TSG-S was holding a joint TSG meeting to discuss PDE placement in the 3GPP2 NAM on 12 December 2002 during the 7:00 - 8:00 AM period. ACTION: WG1 will provide a representative to participate in this meeting on behalf of TSG-C.
41	• TSG-I	

1 2 3 4		• Correspondence to TSG-S dated 25 October 2002 regarding TSG-P comments on S.P0035 QoS Stage 1 and S.P0079 End-to-end QoS Stage1 (C00-20021209-025) was presented from TSG-N. This contribution was considered to be FYI for the TSG.
5 6 7 8		 Correspondence to TSG-S dated 25 October 2002 regarding TSG-P comments on Accounting & Auditing Stage 1 Document (C00-20021209-026) was presented from TSG-N. This contribution was considered to be FYI for the TSG.
9 10 11 12		 Correspondence to TSG-S dated 25 October 2002 regarding TSG-P review results on TSG-S documents and some Stage_1s (C00-20021209-027) was presented from TSG-N. This contribution was considered to be FYI for the TSG.
13	9.	WORKING GROUP REPORTS:
14 15		• A verbal report of WG1 interim activities was presented by the WG1 Chair, Phil Brown (Ericsson), as FYI. WG1 had three (3) interim conference calls:
16 17 18 19 20		• One (1) call was related to the year 2003 workplan. Input was received and reviewed from the CDG Evolution Team. As a result of these meetings, the original request for 10 hours of meeting time for SWG1.5 has now been reduced by four (4) hours since the year 2003 workplan seems to be stabilizing.
21 22		• There were two (2) conference calls regarding to MMS file formats. WG1 will continue to discuss this issue in their Tuesday AM session.
23 24 25 26 27		• A verbal report of WG3 interim activities was presented by the WG3 Chair, Ed Tiedemann (QUALCOMM), as FYI. The interim activities have been focused on completion of calibration activities related to reverse link activities for both voice and data. Three (3) interim conference calls were held. The voice issues seems to be stabilizing but more work is needed on the data activities.
28 29 30 31		 The WG4 Vice Chair, Dave Whipple (Agilent), noted that substantial progress has been made on the remanded action to complete the point release of the HRPD MPS documents and that they expect these documents will be available for publication at the January 2003 meeting.
32	10.	OLD BUSINESS:
33 34 35		• An updated version of C.S0016-B v2.0 OTASP (C00-20021021-119R1) was presented to correct an error in inputing ballot resolution text. DECISION: This contribution (C00-20021021-119R1) was approved without objection for

publication as C.S0016-B v2.0.

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- Regarding the issue of approving the development of a cdma2000 Packet Data
 Performance Specification, as indicated in C00-20021021-004 and C00-20021021005 which were left open from the last meeting, Nokia, Nortel Networks, and
 Motorola indicated that they still needed additional time to review this issue.
 ACTION: The Chair deferred action on this item until the closing Plenary
 pending the Chair's consultation with TSG-P regarding their related
 activities.
 - Regarding the open contribution on e-mail correspondence dated 14 October 2002 regarding Work Item Worksheets from September 2002 Meeting (C00-20011021-009), the Chair noted the following actions:
 - ACTION: This contribution (C00-20011021-009) was remanded to WG1 for review and action as appropriate.
 - ACTION: The Chair agreed to contact the 3GPP2 Secretariat to get 3GPP2 contribution cover sheets on all 3GPP2 Secretariat correspondences received this month.

16 11. NEW BUSINESS:

- The Chair noted that the election of new TSG leadership will be added to the agenda for the next meeting. Interested parties should note their candidacy and submit their letters of support prior to those elections. The Chair has tentatively scheduled those elections for Thursday 16 January 2003 but details will be made available at a later date. The 3GPP2 Secretariat will be available to assist in the process.
- 23 This session was recessed on 9 December 2002 at 11:58 AM local time.

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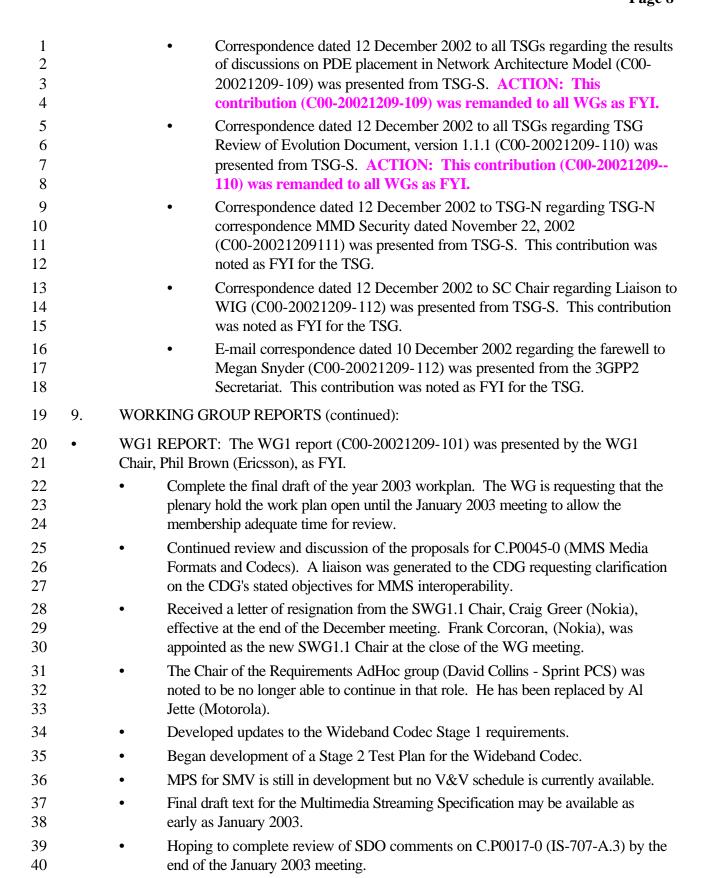
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CLOSING PLENARY

- 27 The meeting was reconvened on 13 December 2002 at 8:25 AM local time.
- Quorum was established at the opening Plenary and not challenged at this time. One (1)
- 29 additional company on the TSG-C active roster were noted in attendance.

8. LIAISON REPORTS:

- TSG-S Stage 1 Document Status Table (C00-20021209-107) was presented from TSG-S. ACTION: This contribution (C00-20021209-107) was remanded to all WGs as FYI.
- Correspondence dated 12 December 2002 to TSG-N regarding Status of Stage 1/Work Item Review by TSG-N dated November 22, 2002 (C00-20021209-108) was presented from TSG-S. This contribution was noted as FYI for the TSG.



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• Continued processing the IOTA text received from CDG and there is now a 3GPP2 formatted document to submit contributions to.

DECISION: Proposed correspondence to CDG regarding MMS issues (C00-20021209-114R1) was approved without objection for transmission.

- The final draft of the year 2003 TSG-C workplan (C00-20021209-115) was presented for review by the TSG. **ACTION:** The contribution will be added to the January 2003 meeting agenda for approval.
- 8 DECISION: Proposed correspondence to TSG-S regarding IFAST Liaison 9 comments (C00-20021209-116R1) was approved without objection for transmission.
- DECISION: Proposed correspondence to TSG-S regarding Stage 1 review (C00-20021209-117) was approved without objection for transmission.
- DECISION: Proposed correspondence to TSG-S regarding Wideband Codec Stage 1 updates (C00-20021209-118) was approved without objection.
- WG2 REPORT: The WG2 report (C00-20021209-102) was presented by the WG2 Chair, Orlett Pearson (Lucent), as FYI.
 - A discrepancy between C.S0005-C and C.S0003-C has been noted. A joint meeting between SWG2.1 and SWG2.3 will be held during the February meeting to discuss the issue and to determine whether the bug should be fixed in the MAC or Signaling specification, or both.
 - Noted the action, liaised from TR45, to address the MEID/ESN concern and the membership is in the process of addressing this item.
 - Received a liaison from SWG1.4 regarding adding a new Information Record for UIM ID. SWG2.3 will address this item in C.S0005-D.
 - SWG2.3 has developed a plan for reviewing proposed fixes to published standards
 including a bug rating system and the definition of the minimal level to be noted to
 WG2.
- No action was requested from the Plenary.
- WG3 REPORT: The WG3 report (C00-20021209-103) was presented by the WG3 Chair, Ed Tiedemann (QUALCOMM), as FYI.
 - The WG has invested considerable effort in the developing system level simulations for cdma2000 Revision C. The WG has updated the evaluation strawman (a description of an overall simulation methodology).
 - Updated the baseline (a benchmark cdam2000 Revision C system).
- Updated the "output matrices" (data to be collected from various system level simulations).
- Updated and approved the schedule to be used by WG3 in the RL enhancement process.
 - Received proposed text for an HRPD Broadcast Services document. Physical layer issues will be discussed in January 2003 and approved in February 2003.

- Several discrepancies that have been found in C.S0002-C. These issues will be discussed next month and then their strategy will be reviewed with WG2 before any recommendations to the Plenary.
 - The following attachments to this report were noted as FYI:
 - Potential scheduling for WG3 year 2003 activities (C00-20021209-103A)
 - Key milestones in development of 1xEV-DV RL (C00-20021209-103B)
- 7 No actions requested from Plenary.

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- WG4 REPORT: The WG4 report (C00-20021209-104) was presented by WG4 Vice Chair, Dave Whipple (Agilent Technologies), as FYI.
- Completed development on minimum performance specifications.
- SWG4.1 continued work on the point releases for the HRPD MPS documents
- SWG4.2 continued work on C.P0043 and C.P0044
- DECISION: C.S0010-B v1.0 Base Station MPS (C00-20021209-105) was approved without objection for publication.
- DECISION: C.S0011-B v1.0 Mobile Station MPS (C00-20021209-106) was approved without objection for publication.
- NOTE: These documents related to cdma2000 Release B but are backward compatible with all earlier cdma2000 releases. These documents include only 3GPP2 headers.
- DECISION: The WG4 request for a new project number for the development of an MPS for Repeater Stations was approved without objection. C.P0051 was assigned.
- 21 10. OLD BUSINESS:
- The Secretary reviewed updated correspondence from the 3GPP2 Secretariat regarding the status of open issues (C00-20021209-030B and C00-20021209-030C). ACTION.
 The updated correspondence (C00-20021209-030C) was remanded to all WGs for review and action specifically with regard to the suggested criteria for external document references within 3GPP2 specifications.
- A contribution entitled "Packet Data Performance" (C00-20021209-119) was presented by Samsung on behalf of co-contributors Motorola, Nokia, Nortel Networks, and Sprint PCS. This contribution recommended that the work item on Standardized Packet Data Performance Testing not be pursued within 3GPP2 and that the CDG might be a more appropriate forum to address this issue at this time. The Chair left this contribution open at the Plenary level to allow time for the participants to discuss this issue.
- 33 11. NEW BUSINESS (continued): No additional discussions.
- 34 12. ASSIGNMENTS: The open action items other than document remands were not discussed in the meeting but are noted below:
- ACTION: The Chair and Secretary took the action to prepare
 correspondence to TSG-S regarding the TSG-C position on the ETSI/BRAN
 correspondence requesting joint work activities with TSG-S.

ACTION: The Chair agreed to contact the 3GPP2 Secretariat to get 3GPP2
 contribution cover sheets on all 3GPP2 Secretariat correspondences received this month.

4 13. FUTURE MEETING SCHEDULE:

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13-17 January 2003	Crowne Plaza Shenzen in Shenzhen, China
17-21 February 2003	Westin Bonaventure in Los Angeles
17-21 March 2003	The Fairmont Hotel Vancouver in Vancouver, BC

6 14. OPEN DISCUSSION AND OTHER BUSINESS: No additional discussions.

7 15. ADJOURNMENT: The Plenary was adjourned on 13 December 2002 at 10:55 AM local time.

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

NUMBER	SUBJECT	SOURCE		
OPENING PLENARY - 3GPP2-C00-20021209-				
000	DOCUMENT REGISTER	SECRETARY		
001	AGENDA	CHAIR		
002	TSG-C Meeting summary - June 2002 - Shenzhen, China	ACTING SECRETARY		
003	TSG-C Meeting summary - September 2002 - Cheju, Korea	SECRETARY		
004	TSG-C Meeting summary - October 2002 - Quebec City, PQ, Canada	SECRETARY		
005	Correspondence to all TSGs dated 30 October 2002 regarding Initial Review of Revision A of Broadcast and Multicast Services (S.P0030-A)	TSG-S		
006	Correspondence to all TSGs dated 30 October 2002 regarding Release Planning Process	TSG-S		
007	Correspondence to TSG-N dated 4 November 2002 regarding TSG-N correspondence "3GPP2 Evolution Document (Version 1.1.0) dated August 9, 2002	TSG-S		
008	Correspondence to all TSGs dated 4 November 2002 regarding Review and Updates for the Evolution Document S.P0038 v1.1.0	TSG-S		
009	Correspondence to all TSGs dated 4 November 2002 regarding 3GPP2 Workplan – Chairs Report Modification	TSG-S		
010	Correspondence to all TSGs dated 4 November 2002 regarding Final Review of the cdma2000 Wideband Speech Codec Stage-1 Requirements document (S.P0080-0)	TSG-S		
011	Correspondence to TSG-N dated 14 November 2002 regarding TSG-N Review of the MEID Stage 1 Document (3GPP2 S.R0048-A)	TSG-S		
012	TSG-S Stage 1 Document Status Table - 14 November 2002	TSG-S		
013	S.R0061-0 v1.0 IM Stage 1	TSG-S		
014	S.R0062-0 v1.0 Presence Stage 1	TSG-S		
015	S.R0064-0 v1.0 MMS Stage 1	TSG-S		
016	Correspondence to TSG-S dated 22 November 2002 regarding Status of Stage 1/Work Item Review by TSG-N	TSG-N		
017	Correspondence to TSG-S dated 22 November 2002 regarding Position of PDE in Network	TSG-N		
018	Correspondence to TSG-P dated 22 November 2002 regarding TSG-P comments on Accounting & Auditing Stage 1 Document	TSG-N		
019	Correspondence dated 22 November 2002 regarding N.P0041, Support for the Mobile Equipment Identity (MEID)	TSG-N		
020	Correspondence to TSG-S dated 22 November 2002 regarding MMD Security	TSG-N		

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021	Correspondence to TSG-S and TSG-P dated 25 October 2002 regarding S.P0084 Packet Prepaid Service in cdma2000 Wireless IP Network	TSG-N
022	Correspondence to TSG-A dated 22 November 2002 regarding SR ID in ANS-41 Messaging for Intersystem Page	TSG-N
023	Correspondence to TSG-S dated 22 November 2002 regarding Evolution Document Meeting	TSG-N
024	Correspondence to all TSGs dated 25 October 2002 regarding 3GPP2 MIME Type	TSG-N
025	Correspondence to TSG-S dated 25 October 2002 regarding TSG-P comments on S.P0035 QoS Stage 1 and S.P0079 End-to-end QoS Stage1	TSG-P
026	Correspondence to TSG-S dated 25 October 2002 regarding TSG-P comments on Accounting & Auditing Stage 1 Document	TSG-P
027	Correspondence to TSG-S dated 25 October 2002 regarding TSG-P review results on TSG-S documents and some Stage_1s	TSG-P
028	ITU Liaison Statements	ITU SG 16
029	Correspondence to all TSGs dated 25 October 2002 regarding IFAST#21 Liaison Report	TSG-N
030	Status of open items	3GPP2 SECRETARIAT
031	E-mail correspondence dated 27 November 2002 regarding SC review of C.S0024-0 v4.0 cdma2000 High Rate Packet Data Air Interface Specification, C.S0026-0 v2.0 Test Data Service Option (TDSO) for cdma2000 Spread Spectrum Systems, and C.S0035-0 v1.0, CDMA Card Application Toolkit (CCAT)	3GPP2 PUBLICATION COORDINATOR
032	E-mail correspondence dated 27 November 2002 regarding Work Item Worksheet from October 2002 TSG-S Meeting	3GPP2 PMT COORDINATOR
033	TSG-C Workplan reports	3GPP2 PMT COORDINATOR
034	3GPP2 SC Draft Meeting Report	3GPP2 SECRETARIAT
035	UIM ID Administrator Report-021115	TIA UIM ID ADMINISTRATOR
CLOSING PI	LENARY - 3GPP2-C00-20021209-	
101	WG1 Report	WG1
102	WG2 Report	WG2
103	WG3 Report	WG3
104	WG4 Report	WG4
105	Proposed publication text for C.S0010-B v1.0 Base Station Minimum Performance Specification	WG4
106	Proposed publication text for C.S0011-B v1.0 Mobile Station Minimum Performance Specification	WG4
107	TSG-S Stage 1 Document Status Table	TSG-S

ADVANCED DRAFT

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108	Correspondence dated 12 December 2002 to TSG-N regarding Status of Stage 1/Work Item Review by TSG-N dated November 22, 2002	TSG-S
109	Correspondence dated 12 December 2002 to all TSGs regarding Results of discussion on PDE placement in Network Architecture Model	TSG-S
110	Correspondence dated 12 December 2002 to all TSGs regarding TSG Review of Evolution Document, version 1.1.1	TSG-S
111	Correspondence dated 12 December 2002 to TSG-N regarding TSG-N correspondence MMD Security dated November 22, 2002	TSG-S
112	Correspondence dated 12 December 2002 to SC Chair regarding Liaison to WIG	TSG-S
113	E-mail correspondence dated 10 December 2002 regarding farewell to Megan Snyder	3GPP2 SECRETARIAT
114	Proposed correspondence to CDG regarding MMS	WG1
115	TSG-C year 2003 - final draft	WG1
116	IFAST Liaison comments	WG1
117	Proposed correspondence to TSG-S regarding Stage 1 review	WG1
118	Proposed correspondence to TSG-S regarding Wideband Codec Stage 1 updates	WG1
119	Packet Data Performance	MOTOROLA, NOKIA, NORTEL NETWORKS, SAMSUNG, AND SPRINT PCS

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3GPP2 QUORUM ROLL CALL				
TSG-C (CDMA2000)				
December 13, 2002				
COMPANY	Attendance	Attendance	Consecutive	Quorum Status
	12/09/2002	12/13/2002	Mtgs Missed	at Mtg Start
ADVANTEST			2	0
AGILENT TECHNOLOGIES	1		0	0
ALLTEL	1		0	1
BELL MOBILITY			0	1
CISCO			0	0
COMMWORKS			1	1
DOCOMO US LABORATORIES	1		0	1
ERICSSON	1		0	1
ETRI			0	1
FRANCE TELECOM			0	1
FUJITSU	1		0	1
GEMPLUS	1		0	1
HITACHI	1		0	1
HYUNDAI	4		0	0
KDDI	1		0	1
KT FREETEL	1		0	1
KYOCERA G ELECTRONICS	1	 	0	1
LG ELECTRONICS	1		0	
LG TELECOM	1	1	0	1
LINKAIR	1	 	2	1
LUCENT	'			
MATSUSHITA/PANASONIC MOTOROLA	1	 	3	0
NEC	1			
NEXTEL	'		0	1
NOKIA	1		0	1
NORTEL NETWORKS	1		0	1
OPEWAVE SYSTEMS	·		1	0
PHILIPS			3	0
QUALCOMM	1		0	1
RESEARCH IN MOTION		1	0	1
ROHDE & SCHWARZ	1		0	1
SAMSUNG	1		0	1
SCHLUMBERGERSEMA	1		0	1
SIERRA WIRELESS	1		3	0
SIRF TECHNOLOGY			0	1
SK TELECOM			1	1
SORRENTO TELECOM			3	0
SPIRENT COMMUNICATIONS	1		0	1
SPRINT PCS	1		0	1
TELUS MOBILITY			0	0
TEXAS INSTRUMENTS			0	1
TOSHIBA	1		0	1
VERIZON WIRELESS			2	1
VIA TELECOM	1		1	1
ZTE			0	1
TOTALS	24	1		36
QUORUM CALCULATION	67%	3%		
ADDITIONS				
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OBSERVERS AND GUESTS				
		 		
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OLIODUM STATUS NOTES				
QUORUM STATUS NOTES:				
- HIGHLIGHTED ZERO = Must attend 2 cons				
- NON-HIGHLIGHTED ZERO = Will be added	i to quorum list if the	y alleno the next in	ııy	
- P = proxy letter in force	1			