

1 **Title:**

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2 **APPROVED SUMMARY OF TSG-S MEETING**  
3 for the period of 8-10 May 2001 in Palm Springs, CA

4 **Source:**

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5 Clifton J. Barber  
6 SECRETARY  
7 Tantivy Communications  
8 1450 S. Babcock Street  
9 Melbourne, FL 32901  
10 [www.tantivy.com](http://www.tantivy.com)  
11 (404) 608-1977 Fax (404) 608-1977  
12 [cbarber@tantivy.com](mailto:cbarber@tantivy.com)  
13



14 **Abstract:**

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15 This document provides the summary of the 3GPP2 TSG-S meetings held in Palm Springs, CA during  
16 the period of 8-10 May 2001.

17 **Recommendation:**

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18 For review and approval.

19

20 **Notice:**

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26 partner SDOs.

1 During the period of 8-10 May 2001, a meeting of 3GPP2 TSG-S was held at the Palm Springs  
2 Marquis Resort in Palm Springs, CA. This report is intended to summarize those discussions.

### 3 OPENING PLENARY

4 1. CALL TO ORDER AND OPENING REMARKS: The meeting was called to order on  
5 8 May 2001 at 9:00 AM local time by TSG-S Chair, Rich Robinson (Sprint PCS).

6 The Chair welcomed everyone to the 25th meeting of TSG-S and each attendee briefly  
7 introduced himself to the group.

8 2. ATTENDANCE REGISTRATION AND ROLL CALL: A roll call of TSG-S active  
9 companies indicated 11 companies in attendance out of 20 active companies (55%  
10 participation). Thus, meeting quorum was achieved. Sign-in of individual attendees was  
11 accomplished via electronic sign-in on a file on the server.

12 3. DISTRIBUTION AND NUMBERING OF CONTRIBUTIONS: Contributions were  
13 documented in S00-20010508-000R1. All contributions were distributed as soft copy only.

14 4. ADOPTION OF AGENDA: The proposed agenda (S00-20010508-001R2) was reviewed  
15 and approved without objection as modified by the discussion (S00-20010508-001R3).

16 5. ASSIGNMENT OF CONTRIBUTIONS TO AGENDA ITEMS: The contributions were  
17 numbered and assigned to agenda items in the approved agenda.

18 6. REVIEW AND APPROVAL OF PREVIOUS MEETING SUMMARY: The meeting  
19 summary for April 2001 in Philadelphia, PA (S00-20010508-002) was presented and  
20 approved without objection as modified by the discussion .(S00-20010508-002R1)

21 7. CORRESPONDENCE AND LIAISON REPORTS

22 • 3GPP2 SC: An unofficial summary of the 3GPP2 SC meeting of 19 April 2001  
23 (S00-20010508-003) was presented by the Secretary as FYI. The following remands  
24 to TSG-S were noted:

25 • TSG-S must lead the development of and act as a focal point for the 3GPP2  
26 vision document. The next draft of that document and the projected milestones  
27 for the development effort are due at the next SC meeting. This task was  
28 remanded to the PMT.

29 • TSG-S must refine the workplan into an actual release plan. The release plan  
30 for the current year should be available for the next SC meeting. This task was  
31 remanded to the PMT.

32 The following action was also noted on the attachments to that contribution:

33 • The SC approved 3GPP2 workplan v24 (S00-20010508-003A) was noted as  
34 FYI to the TSG.

- 1           •       The SC approved TSG Coordination plan (S00-20010508-003B) was  
2 reviewed in detail. The TSG was advised that this document should be used as  
3 guidelines for all future TSG activities. This contribution was remanded to the  
4 PMT for review and action as appropriate and to all TSG participants for  
5 additional review.
- 6           •       The ITU Liaison Statement dated 4 April 2001 requesting definitions,  
7 acronyms, and abbreviations used within 3GPP2 (S00-20010508-003C) was  
8 noted as FYI.
- 9           •       The ITU update procedures for revisions of recommendation ITU-R M.1457  
10 (S00-20010508-003D) was noted as FYI.
- 11          •       The TSG-N Report to the SC that included the recently approved terms of  
12 reference (S00-20010508-003E) was noted as FYI.
- 13          •       The TSG-P Report to the SC that included the recently approved terms of  
14 reference (S00-20010508-003F) was noted as FYI.
- 15          •       The official SC meeting summary that was published by the 3GPP2 Secretariat  
16 (S00-20010508-003G) was noted as FYI.
- 17          •       3GPP2 OP: An unofficial summary of the 3GPP2 OP meeting of 20 April 2001  
18 (S00-20010508-004) was presented by the Secretary as FYI. All references to  
19 TSG-S actions were noted as FYI to the SC Chair and should not be interpreted as  
20 TSG-S actions unless specifically directed by the SC Chair. The following action was  
21 also noted on the attachments to that contribution:
- 22               •       The S.R0003-A SCG for Release B v0.0.5 (S00-20010508-004A) was  
23 remanded to the PMT for review and action as appropriate.
- 24               •       The 3GPP2 response to the ITU SSG inquiry on Question 3 (S00-20010508-  
25 004B) was noted as FYI.
- 26               •       The Document Numbering JEM output (S00-20010508-004C) was remanded  
27 to all WGs for review and action as appropriate.
- 28               •       The updated 3GPP2 PPD (S00-20010508-004D) was noted as FYI.
- 29               •       The updated 3GPP2 WPD (S00-20010508-004E) was remanded to all WGs  
30 for review and action as appropriate.

- 1 • ITU: E-mail correspondence dated 4 May 2001 from the SC Chair requesting  
2 assignment of a 3GPP2 Liaison from TSG-S to ITU SSG on IMT-2000 and Beyond  
3 (S00-20010508-005) was presented. Since the current SSG meeting was being held  
4 the same week of this TSG-S meeting, no immediate action was feasible. The Chair  
5 requested volunteers for consideration at the next meeting. The Chair also indicated  
6 that he will maintain close contact with the ITU SSG Chair in the interim. The TSG  
7 Chair also agreed to coordinate the setup of directories for ITU-T and ITU-R on the  
8 3GPP2 website. The TSG Chair will advise the SC Chair of this action by e-mail  
9 response.
- 10 • TSG-A: No report.
- 11 • TSG-C: The TSG-C Liaison Report was presented verbally by the TSG-C Liaison as  
12 FYI.
- 13 • 1xEV-DV scheduling is a top priority for this week.
- 14 • Simulation phasing has been defined as follows:
- 15 • PHASE I: Characterization of the physical layer
- 16 • PHASE II: Upper layer characterization
- 17 Both phases include forward and reverse channel testing.
- 18 • Three (3) alternate schedules have been proposed.
- 19 • All WG meeting is scheduled for 8 May 2001.
- 20 • TSG-C has agreed to do a detailed review of the SCG.
- 21 • Release A baseline may not be finished this month and has been rescheduled for  
22 June 2001.
- 23 • Release B V&V completion is still on hold pending completion of Release A.
- 24 • Release C release content is still unclear.
- 25 • TSG-N: No report.
- 26 • TSG-P: No report.
- 27 • TR45: No report.
- 28 • TR45 AHAG: No report.
- 29 • 3GPP-SA5: No report.
- 30 • TIM1: No report.

- 1 • CDG: A verbal report from the CDG Liaison indicated the following:
- 2 • A CDG Technology Forum was successfully completed in Vancouver, BC last
- 3 week. The CDG intent is to hold this type of forum annually. The forum
- 4 presentations will be posted to the CDG website pending the approval of the
- 5 presenters. The CDG Liaison agreed to bring applicable presentations and the
- 6 then current CDG Vision document draft for consideration in the development
- 7 of the 3GPP2 Vision Document at the next meeting.
- 8 • CDG is also participating in the Global Roaming Forum (GGRF) in support of
- 9 inter-technology roaming applications. G-95 is the group handling roaming
- 10 between GSM and cdma2000. No specific progress reported. The TSG
- 11 Chair decided to add GGRF as an agenda item for future meetings so that
- 12 TSG-S can monitor the activities of this group.
- 13 • MWIF: No report.
- 14 • WAP FORUM: The WAP Forum Liaison Statement dated 26 April 2001 requesting
- 15 information related to Client Provisioning (S00-20010508-009) was presented by
- 16 Motorola. This contribution was remanded to WG2 for review and response by the
- 17 closing Plenary of the June 2001 meeting. WG2 was also authorized to consult directly
- 18 with the TSG-C SWG1.4 Chair in support of a consolidated 3GPP2 response.
- 19 8. NEW BUSINESS
- 20 • A proposed Stage 1 for Multimedia Messaging Services (MMS) (S00-20010508-007)
- 21 was presented by Sprint PCS. This contribution was remanded to WG1 for review and
- 22 action as appropriate.
- 23 • A proposal to incorporate the 3GPP EMS (Enhanced Message Service) into the
- 24 3GPP2 SMS facility by reference (S00-20010508-008) was presented by Ericsson,
- 25 Motorola, and Verizon. This proposal included incorporation of the GSM character set
- 26 independent of the EMS enhancements. The contributor also indicated that the Stage 1
- 27 requirements could also be considered as a part of the MMS Stage 1. This contribution
- 28 was remanded to WG1 and the PMT for review and action as appropriate.
- 29 • A proposed Stage 1 for cdma2000 Extensions to Support Packet Data Call
- 30 Surveillance (S00-20010508-011) was presented by Motorola. This contribution was
- 31 remanded to WG1 and the PMT for review and action as appropriate.
- 32 9. OLD BUSINESS:
- 33 • WG1 ISSUES: A proposed Stage 1 for the Rescue Channel (S00-20010508-010)
- 34 was presented by Motorola. This contribution was remanded to WG1 and the PMT
- 35 for review and action as appropriate.
- 36 • W2 ISSUES: No additional issues were noted.

- 1           •       PMT ISSUES:
- 2                   •       E-mail correspondence from the SC Chair dated 6 May 2001 regarding the  
3                   CAMS and Co-OP proposals (S00-20010508-006) was presented. This  
4                   correspondence remanded continued review and discussions of these proposals  
5                   to TSG-S. This correspondence was remanded to the PMT for discussion on  
6                   9 May 2001 at 1:00 PM local time. The Secretary was directed to broadcast  
7                   advice of this meeting on both the TSG-S and TSG-C e-mail exploders.
- 8                   •       An updated Co-OP proposal (S00-20010508-012) was presented by Lucent.  
9                   Sections 1.1.1, 1.1.3, 3.2, 3.5, and 4 were modified as was the flow diagram.  
10                  In addition, section 3.6 was added. This contribution was remanded to the  
11                  PMT for discussion at the CAMS/Co-OP meeting session.
- 12           •       ALL IP ADHOC: No report.
- 13           •       V&V REPORT: No report.
- 14           •       UIM ADHOC: The UIM AdHoc Chair noted that the 15-day review period for the  
15           UIM ID Assignment Guidelines will be completed on 11 May 2001.

16   The Plenary was recessed at on 8 May 2001 at 12:50 PM local time.

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## 18   CLOSING PLENARY

19   The Plenary was reconvened at 2:00 PM local time on 10 May 2001 by TSG-S Chair, Rich Robinson  
20   (Sprint PCS). Quorum had been established at the opening Plenary and was not challenged at this  
21   session. No new companies were noted in attendance.

## 22   10.   WORKING GROUP REPORTS

- 23           •       WG1 Report (S00-20010508-041) was presented by WG1 Chair, Nick Mazarella  
24           (Lucent) as FYI.
- 25           •       MMS Stage 1 was reviewed. Needs two (2) additional companies in support  
26           for acceptance onto the workplan.
- 27           •       Review of S.P0032 ESA/ESP Stage 1 based on comments from TR45.2  
28           continues.
- 29           •       S.P0035 QoS Stage 1 development is still in process.
- 30           •       S.P0033 RC-PDSIT Stage 1 was reviewed and approved for distribution to all  
31           TSGs for review and comment.
- 32           •       Completed initial review of Rescue Channel Stage 1. Will reconsider at the  
33           next meeting.

- 1           •       Completed initial review of Packet Data Wiretap Stage 1. Will reconsider at  
2           the next meeting.
- 3           •       Reviewed contribution on EMS. Determined a separate Stage 1 (not combined  
4           with MMS) will be required but short form may be acceptable.
- 5           •       Still need Editor for Stage 1 Guidelines.
- 6           Proposed correspondence to all TSGs distributing S.P0033 RC-PDSIT Stage 1 for  
7           review and comment (S00-20010508-046) was presented. S.P0033 RC-PDSIT  
8           Stage 1 was attached. This contribution was approved for distribution without objection  
9           as modified by the discussion (S00-20010508-046R1).
- 10          The discussion noted that S.P0032 MEID Stage 1 was agreed to be published by  
11          WG1 at the last meeting if no comments were received at this meeting. Although this  
12          had not been discussed in WG1, the TSG agreed without objection to publish this  
13          document as S.R0048 MEID Stage 1 (S00-20010508-049).
- 14          A draft version of the EMS Stage 1 (S00-20010508-051) was submitted by Ericsson,  
15          Motorola, and Verizon as FYI.
- 16          •       WG2 Report (S00-20010508-042) was presented by the WG2 Chair, Jörg Schmidt  
17          (Motorola) as FYI.
- 18               •       Reviewed correspondence from 3GPP TSG-SA5 regarding S.S0028  
19               OAM&P Specification and generated response.
- 20               •       Began review of WAP Liaison statement and agreed to work on consolidated  
21               3GPP2 response with TSG-C SWG1.4.
- 22               •       Will consider development of a new release of S.S0028 OAM&P Specification  
23               based on Release 4 of the 3GPP SA5 specification.
- 24          Proposed correspondence to 3GPP SA5 in response to their correspondence on  
25          S.S0028 OAM&P Specification (S00-20010508-047) was presented. This  
26          correspondence was approved for transmission without objection as modified by the  
27          discussion (S00-20010508-047R1).
- 28          •       PMT Report (verbal report) was presented by PMT Chair, Bob Plunkett (Quicksilver)  
29          as FYI.
- 30               •       Noted request for consideration of support for 3GPP EMS. Work Item  
31               Worksheet is still required.
- 32               •       Noted request for consideration of cdma2000 Extensions to Support Packet  
33               Data Call Surveillance. Work Item Worksheet is still required.
- 34               •       Began review of all existing work items for compliance with the TSG  
35               Coordination AdHoc output. Developed work item worksheet in conjunction  
36               with these new policies.

- 1           •       Began review of CAMS and Co-OP proposals. Determined that the major  
2 difference in these proposals was top down (CAMS) vs bottom up (Co-OP)  
3 responsibility for release/workplan development. Deferred final discussions until  
4 the next meeting. Planning three (3) hour session to finalize related issues at the  
5 next meeting (this session will be held the evening of Wednesday 13 June  
6 2001).
- 7           •       Briefly reviewed SCG v0.0.5 and noted outstanding action items still open in the  
8 acronym list. Also noted that the NRM diagram was not the latest version.  
9 SCG Editor will submit update at the next meeting.
- 10          •       Began review of 3GPP2 Release C Release Plan by defining release item  
11 descriptors. Plan to complete this plan by July 2001.
- 12          •       Determined that the 3GPP2 Vision Document would be better handled by a  
13 Plenary AdHoc in light of the PMT workload.
- 14          Work item worksheet (S00-20010508-050) was noted as FYI.
- 15          •       V&V Report: No report.
- 16          •       UIM AdHoc Report: No report.
- 17          •       All IP AdHoc Status Report: No report.
- 18   11.    OLD BUSINESS (continued):
- 19          •       The Chair indicated his intent to form an AdHoc to develop the 3GPP2 Vision  
20 Document. He also solicited nominations for a Chair for this group and volunteers for  
21 participation to be installed at the next meeting. The discussion noted that this group  
22 would need to secure the great majority of its information from persons outside the  
23 ranks of the direct 3GPP2 participants. The initial goal of this group is to have the  
24 outline and gameplan by July 2001.
- 25          •       The TSG-C Liaison Report (S00-20010508-048) was presented as FYI. This report  
26 was noted as a partial report since the closing Plenary had not been completed. This  
27 contribution noted that the 1xEV-DV Specification development effort has been  
28 scheduled for publication at the closing Plenary of the February 2002 TSG-C meeting.
- 29   12.    NEW BUSINESS (continued): No additional business.
- 30   13.    ASSIGNMENTS: Although not specifically reviewed at the meeting, the following action items  
31 are noted in this report:
- 32          •       The Secretary must disseminate the documents approved at this meeting as applicable.
- 33          •       The Chair has requested volunteers to serve as the 3GPP2 liaison/point of contact to  
34 ITU-T SSG for IMT-2000 and Beyond.



- 1           •       The Secretary was directed to broadcast a notice of the CAMS and Co-OP proposal  
2           discussions which were held during this week. This assignment was completed prior to  
3           the close of this meeting.
- 4           •       The Chair has solicited nominations/volunteers for a Chair of the 3GPP2 Vision  
5           Document AdHoc. Volunteers for participants in that AdHoc are also requested.

6 14.   ADMINISTRATION AND OTHER BUSINESS: None.

7 15.   REVIEW OF FUTURE MEETINGS:

11-14 June 2001	Metropolitan Hotel in Vancouver, BC
23-25 July 2001	Seoul, Korea
21-23 August 2001	Portland, OR

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9       The ARIB Liaison noted that the September 2001 TSG-S meeting will be held in Kyoto at the  
10      Kyoto International Convention Center.

11 16.   ADJOURNMENT: This meeting was adjourned on 10 May 2001 at 3:25 PM local time.

1 A listing of the contributions for this meeting is itemized below:

NUMBER	SUBJECT	SOURCE
<b>OPENING PLENARY - 3GPP2-S00-20010508-</b>		
000	CONTRIBUTION REGISTER	SECRETARY
001	AGENDA	CHAIR
002	Meeting Summary - April 2001 - Philadelphia, PA	SECRETARY
003	Unofficial report of 3GPP2 SC meeting - April 2001	SECRETARY
004	Unofficial report of 3GPP2 OP meeting - April 2001	SECRETARY
005	3GPP2 Liaison to ITU SSG	SC CHAIR
006	CAMS and Co-OP proposals	SC CHAIR
007	Multimedia Messaging Service	SPRINT PCS
008	Support of 3GPP enhanced message service (EMS) in cdma2000	ERICSSON, MOTOROLA, and VERIZON
009	Liaison Statement - 26 April 2001	WAP FORUM
010	Rescue Channel Stage 1	MOTOROLA
011	CDMA2000 Interface Extensions to support packet data call surveillance	MOTOROLA and CISCO
012	TSG Co-OP Proposal revised	LUCENT
<b>WG1: FEATURE/SERVICE REQUIREMENTS - 3GPP2-S10-20010508-</b>		
000	CONTRIBUTION REGISTER	SECRETARY
001	AGENDA	CHAIR
002	Meeting summary - April 2001	CHAIR
003	S.P0035 QoS Stage 1 v0.1	EDITOR
004	S.R0032 ESA/ESP Stage 1	EDITOR
005	RC-PDSIT Stage 1 v0.2	EDITOR
<b>WG2: OAM&amp;P AND NRM - 3GPP2-S20-20010508-</b>		
001	Agenda	CHAIR
002	Summary of Meeting on March 12, 2001	CHAIR
003	Draft Liaison to 3GPP SA5 on completion of S.S0028	CHAIR
<b>PMT: PROJECT MANAGEMENT TEAM - 3GPP2-S30-20010508-</b>		
001	Agenda	CHAIR
002	Meeting summary - Philadelphia, PA	CHAIR
003	TSG-N Docs Feature Descriptions	WG1
004	New Work Item Worksheet	CHAIR
005	TSG Coordination Report	SC
006	S.R0003-A SCG Release_B_v0.0.5	EDITOR
007	Documentation JEM recommendation	SC
008	3GPP2 WPD April 20, 2001	SC
009	Multimedia Messaging Services - Stage 1	SPCS

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010	Support for 3GPP Enhanced Message Service (EMS) in CDMA2000	ERICSSON, MOTOROLA, and VERIZON
011	Rescue Channel Stage 1 Description	MOTOROLA
012	cdma2000 Interface Extensions to Support Packet Data Call Surveillance	MOTOROLA
013	CAMS Presentation	ERICSSON
014	CAMS Presentation	ERICSSON
015	Cooperative Orthogonal Planning (Co-OP) Process	LUCENT
016	Correspondence on 3GPP2 Vision	SC
017	E-mail on SCG	QUALCOMM
<b>CLOSING PLENARY - 3GPP2-S00-20010508-</b>		
041	WG1 Report	WG1
042	WG2 Report	WG2
043	PMT Report (verbal report)	PMT
044	V&V Report (no report)	V&V CHAIR
045	All IP AdHoc Report	ALL IP ADHOC
046	Correspondence to all TSGs regarding RC-PDSIT Stage 1 review	WG1
047	Correspondence to 3GPP SA5 regarding update on cooperatively relationship between 3GPP2 TSG-S WG2 and 3GPP TSG-SA WG5	WG2
048	TSG-C Liaison Report - 10 May 2001	TSG-C LIAISON
049	S.R0048 MEID Stage 1	WG1
050	New work item worksheet	PMT

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**STATUS OF APPROVED TSG-S SPECIFICATIONS AND REPORTS**

<b>NUMBER</b>	<b>TITLE</b>
S.R0003	3GPP2 System Capability Guide
S.R0004	3GPP2 Service Implementation Guide
S.R0005-A	3GPP2 Network Reference Model (Rev. A)
S.R0005-B	3GPP2 Network Reference Model (Rev. B)
S.R0006	Cellular Features Description (TIA/EIA-664-A Rev A)
S.R0007	User Selective Call Forwarding (Stage 1) v2.1
S.R0008	Answer Hold (Stage 1) v2.0
S.R0009	User Identity Module (Stage 1) (PN-4582)
S.R0010	Preferred Language Enhancement (Stage 1) (PN-4289) (Note 1)
S.R0011	Advice of Charge (Stage 1) (PN-4289)
S.R0012	Rejection of Undesired Annoying Calls (Stage 1) (PN-4289)
S.R0013	Global Emergency Call Origination (Stage 1) (Note 2)
S.R0014	Tandem Free Operation (Stage 1)
S.R0015	ISDN Interworking (Stage 1)
S.R0016	Automatic Code Gapping (Stage 1) v2.0
S.R0017	3G Wireless Network Management System High Level Requirements (Stage 1) (Note 4)
S.R0018	Prepaid Services (Stage 1) (PN-4287) (Note 4)
S.R0019	Location Based System Services (LBSS) Stage 1
S.R0021	Video Streaming Stage 1
S.R0022	Video Conferencing Stage 1
S.R0023	High Speed Data Enhancements for cdma2000 1x Stage 1 - Data Only v2.0
S.R0024	WLL Stage 1
S.R0025	WPP Stage 1
S.R0026	High Speed Data Enhancements for cdma2000 1x Stage 1 - Integrated Data and Voice (1xEV-DV)
S.R0027	Personal Mobility Stage 1
S.S0028	OAM&P Specification
S.R0029	Access control based on call type Stage 1
S.R0032	ESA and ESP Stage 1
S.R0034	UIM ID Assignment Guidelines
S.R0044	3GPP2 Stage 1 Development Process
S.R0045	Stage 1 template- User Features
S.R0046	Stage 1 template- System Requirements
S.R0047	Stage 1 template- Short Form
S.R0048	MEID Stage 1

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**STATUS OF TSG-S PROJECTS IN PROCESS**

<b>NUMBER</b>	<b>TITLE</b>	<b>STATUS</b>
S.P0020	Location Information Restriction (LIR) Stage 1	In development
S.P0030	Multicast/Broadcast Stage 1	In development
S.P0033	Realm Configured Packet Data Session Inactivity Timer Stage 1	In development
S.P0035	QoS Stage 1	In development
S.P0036	All IP System Capability Guide	In development
S.P0037	All IP NAM	In development
S.P0038	All IP Evolution Guide	In development
S.P0039	All IP Message Flows	In development
S.P0040	Public and Private User Identities	In development
S.P0041	UIM Support in All IP Networks	In development
S.P0042	IP Multimedia Domain Registration for Multimedia Services	In development
S.P0043	IP Multimedia Domain Authorization	In development
S.P0044	Rescue Channel Stage 1	In development

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<b>3GPP2 QUORUM ROLL CALL</b>				
<b>TSG-S (Systems and Services Aspects)</b>				
May 10, 2001				
<b>INDIVIDUAL MEMBER COMPANY</b>	<b>Attendance 05/08/2001</b>	<b>Attendance 05/10/2001</b>	<b>Consecutive Mtgs Missed</b>	<b>Quorum Status at Mtg Start</b>
ALLTEL	1		0	1
BELL MOBILITY			3	0
COMVERSE			1	0
DOCOMO US LABORATORIES			0	1
ERICSSON	1		0	1
FUJITSU	1		0	1
GEMPLUS			0	1
HITACHI	1		0	1
KDDI	1		0	1
KOREA TELECOM FREETEL	1		0	0
LG ELECTRONICS	1		0	1
LG TELECOM			3	0
LINKAIR COMMUNICATIONS			2	1
LUCENT	1		0	1
MOTOROLA	1		0	1
NEC			0	1
NOKIA			0	1
NORTEL NETWORKS			2	1
OKI NETWORK TECHNOLOGIES			1	1
PHILIPS			3	0
QUALCOMM	1		0	1
QUICKSILVER TECHNOLOGY	1		0	1
QWEST WIRELESS			3	0
SAMSUNG			0	1
SCHLUMBERGER			0	1
SK TELECOM			3	0
SONY			3	0
SPRINT PCS	1		0	1
TANTIVY COMMUNICATIONS	1		0	0
TELCORDIA			2	0
VERIZON WIRELESS	1		3	0
<b>TOTALS</b>	<b>11</b>	<b>0</b>		<b>20</b>
<b>QUORUM CALCULATION</b>	<b>55%</b>	<b>0%</b>		
<b>ADDITIONS</b>				
COMMWORKS	1			0
				0
				0
				0
<b>OBSERVERS AND GUESTS</b>				
ARIB	1			
<b>QUORUM STATUS NOTES:</b>				
- HIGHLIGHTED ZERO = Must attend 2 consecutive mtgs to be added to quorum list				
- NON-HIGHLIGHTED ZERO = Will be added to quorum list next mtg if they attend				