

**Title:**

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APPROVED SUMMARY OF TSG-S MEETING  
for the period of 5/9-11/00 in Las Vegas, NV

**Source:**

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Clifton J. Barber

SECRETARY

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**Abstract:**

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This document provides the summary of the 3GPP2 TSG-S meetings held at the Embassy Suites Hotel in Las Vegas, NV during the period of 5/9-11/00.

**Recommendation:**

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For review and approval.

**Notice:**

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During the period of 5/9-11/00, a meeting of 3GPP2 TSG-S was held at the Embassy Suites Hotel in Las Vegas, NV. This report is intended to summarize those discussions.

### OPENING PLENARY

The meeting was called to order on 5/9/00 at 8:45 AM local time by TSG-S Vice Chair, Rich Robinson (Sprint PCS), who acted as Chair for this meeting in the absence of Hideo Okinaka (DDI), TSG-S Chair.

- The Chair welcomed everyone to Las Vegas. Since there were some new faces in the crowd, all attendees were asked to introduced themselves and their company affiliation.
- A roll call of TSG-S active companies indicated 13 companies in attendance out of 22 active companies (59% participation). Thus, meeting quorum was achieved. In addition:
  - DoCoMo US labs has taken over the TIA/3GPP2 standardization activities conducted by NTT America.
  - LinkAir Communications and Quicksilver Technology was added to the list of member companies.
- Contributions were documented in S00-20000509-000R1. All contributions were distributed as soft copy only.
- The proposed agenda (S00-20000509-001R2) was reviewed and approved without objection as submitted. The contributions were numbered and assigned to agenda items.
- The meeting summary for 3/00 in Kyoto, Japan (S00-20000321-002) was presented and approved without objection as submitted.
- CORRESPONDENCE
  - Correspondence dated 4/19/00 from Sprint PCS to the PMT Chair requesting that the multicast/broadcast capability on a common/shared channel be retained as a Release B workplan item (S00-20000509-013) was presented. This document was remanded to the PMT for review and response by the closing Plenary.
- LIAISON REPORTS
  - 3GPP2 SC: An unofficial summary of the 4/00 SC meeting held in Seoul, Korea (S00-20000509-003) was presented.
    - The TSG-S Chairman's Report to the SC (S00-20000509-024) was presented as FYI.
    - The IETF Report (S00-20000509-004) was presented as FYI.
    - The IOTA Handset Configuration Management Stage 1 and Stage 2 descriptions (S00-20000509-005) were presented. These documents were remanded to WG1 as FYI.

- The new 3GPP2 WPD (S00-20000509-006) was presented and changes were reviewed by the WPD Editor as FYI.
- The 3GPP2 workplan v16+ (S00-20000509-020) was presented by the PMT Chair. This document was remanded to all WGs as FYI. WG1 was directed to insure that all items have descriptions as required.
- TSG-A: The TSG-A Liaison Report which summarized their activities from their 4/00 meeting in Seattle, WA (S00-20000509-025) was presented by the TSG-A Chair as FYI.
  - Correspondence dated 4/12/00 regarding the TSG-A comments on v16 of the 3GPP2 workplan (S00-20000509-010) was presented.
    - The workplan issues referenced in this document were remanded to the PMT for action.
    - All WG Chairs, AdHoc Chairs, and Editors were requested to identify all TSG-S documents which need to be modified to change A-interface references to Radio Access Network references and to propose changes if required by the next meeting. Specifically in the case of the NRM, the review should be performed by TSG-A itself.
    - The PMT was also requested to review the workplan for all items which should be end-to-end features and to propose action regarding insuring completion on the end-to-end solution.
- TSG-C: The TSG-C Liaison Report which summarized their activities from their 4/00 meeting in Seattle, WA (S00-20000509-016) was presented as FYI.
  - The issues on 3GPP2 document numbering were remanded to PMT for action and response by the Document Management AdHoc by closing Plenary.
  - TSG-C correspondence regarding their review of the 3GPP2 NRM (S00-20000509-019) was remanded to WG2 as FYI.
  - TSG-C correspondence regarding their review of the 3GPP2 SCG (S00-20000509-018) was remanded to WG1 for action as appropriate.
  - The TSG-C action on the effect of global challenge on the cross mode specifications is still required. Response was requested for the April 2000 joint meeting of AHAG and 3GPP S3.
  - TSG-C correspondence to the SC related to their 1x enhancement proposal review activities (S00-20000509-017) was presented as FYI. This document included executive summaries of the three (3) 1x enhancement proposals plus a set of requirements submitted by China Unicom to TSG-C.

- The group discussed whether to consider the 1x enhancements as a new feature (TSG-S responsibility to develop associated requirements) or strictly an air interface enhancement (TSG-C responsibility). E-mail correspondence from the TSG-S Chair (S00-20000509-014) and the TSG-S WG1 Chair (S00-20000509-015) expressing their opinions on this subject were also noted. Based on the scope of the effort, the impact on other TSGs outside of TSG-C, and the input from the carrier's present at the meeting, the group agreed without objection that the 1x enhancements would be considered as a new feature and that TSG-S is responsible for the development of associated requirements.
- Requirements from CWTS (S00-20000509-023) were presented. This document superseded the requirements submitted to TSG-C by China Unicom (S00-20000509-017D). Although the document did not include appropriate 3GPP2 copyright language, the contributor did indicate that this contribution was indeed bound by the required 3GPP2 copyright statement.
- The China Ministry of Information and Industry (MII) expressed its support for LAS-CDMA. They had no opinion at this time on any of the other proposals.
- The TSG-C correspondence and all of its attachments (S00-20000509-017) and the CWTS requirements (S00-20000509-023) were remanded to WG1 for action as appropriate.
- TSG-N: No formal report.
  - Correspondence dated 4/6/00 from TSG-N-WIN Task Group regarding 3G WIN Release B issues (S00-20000509-009) was presented. This document was remanded to WG1 as FYI.
  - TSG-N-WIN Task Group refinements on RUAC Stage 1 requirements (S00-20000509-011) was presented. This document was remanded to WG1 for review for consistency with WG1 requirements.
- TSG-P: No formal report.
  - Correspondence dated 3/24/00 from TSG-P to TSG-A regarding IP data broadcast and multicast services (S00-20000509-007) was presented. This document was remanded to the PMT for consideration of workplan implications.
  - Correspondence dated 3/24/00 from TSG-P to TSG-A regarding assured mode and QoS support for packet data (S00-20000509-008) was presented. This document was remanded to the PMT for consideration of workplan implications.
- TR45: No report.
- TR45 ISD ADHOC: No report.

- TR45.7: No formal report.
  - Correspondence dated 3/22/00 regarding 3GPP/3GPP2 wireless OAM&P cooperation (S00-20000509-012) was presented. This document was remanded to WG2 for action as appropriate.
- TR45 NAG: No report.
- TR45 AHAG: AHAG Liaison Report (S00-20000509-022) was presented as FYI. This contribution contained highlights from the joint 3GPP S3 AHAG meeting held in Stockholm.
- ITU-T: No report.
- ITU-R: A liaison statement from ITU-R WP 8F regarding the status of RSPC updates (S00-20000509-021) was presented. This document was remanded to PMT to determine appropriate 3GPP2 actions.
- OHG: No report.
- OLD BUSINESS: No additional issues were noted.
- NEW BUSINESS: No additional issues were noted.

The Plenary was recessed on 5/9/00 at approximately 12:20 PM local time.

### CLOSING PLENARY

The Plenary was reconvened at 3:35 PM local time on 5/11/00 by TSG-S Vice Chair, Rich Robinson (Sprint PCS).

- Quorum had been established at the opening Plenary and was not challenged at this session.
- WORKING GROUP REPORTS
  - WG1 Report (S00-20000509-041) was presented by WG1 Chair, Nick Mazzarella (Lucent) as FYI.
    - Activities for this week included the following:
      - LIR Stage 1 (S.P0020) was reviewed, modified, and approved for return to TSG-N.
      - LBSS Stage 1 (S.P0019) was approved as baseline text and remanded to V&V. The V&V Chair noted that his initial V&V update of that document was available on the sever as S10-20000509-011R3.
      - A Stage 1 on WLL (S.P0024) was accepted for development.
      - A Stage 1 for WPP (S.P0025) was accepted for development.

- Video Streaming Stage 1 (S.P0021) was approved as baseline text and remanded to V&V.
- Video Conferencing Stage 1 (S.P0022) was approved as baseline text and remanded to V&V.
- Reviewed requirements for 1x enhancements by CWTS. This contribution was approved in principle for incorporation into the 1x Enhancements Requirements document.
- Assigned Clif Barber (Oki Telecom) as Editor of the 1x Enhancements Requirements (S.P0023).
- Other individuals were assigned as Editors for required Stage 1 descriptions for Release B workplan items. Initial descriptions are due at the next meeting.
- Proposed correspondence to all TSGs regarding TSG-S plans for the development of a 1x Enhancements Stage 1 description (S00-20000509-044) was presented. This document was approved for transmission as modified by the discussion (S00-20000509-044R1).
- Proposed correspondence to TSG-C regarding the LIR Stage 1 and its impact on IS-801 (S00-20000509-045) was presented. This document was approved for transmission as modified by the discussion (S00-20000509-045R1).
- Proposed correspondence to TR45.2 regarding TR45.2 Stage 1 descriptions which are applicable to 3GPP2 workplan items (S00-20000509-046) was presented. This document was approved for transmission as modified by the discussion (S00-20000509-046R1).
- Proposed correspondence to TSG-N-WIN Task Group regarding the LIR Stage 1 description (S00-20000509-048) was presented. This document was approved for transmission as modified by the discussion (S00-20000509-048R1).
- WG2 Report (S00-20000509-042) was presented by the WG2 Chair, Masaaki Yoshimura (Hitachi) as FYI.
  - Actions at the meeting included the following:
    - Received and accepted a proposal from Motorola and Ericsson to develop OAM&P Stage 2 and Stage 3 documents in WG2 using 3GPP specifications and developing delta documents as required. TSG-S terms of reference must be changed.
    - Reviewed correspondence from TR45.7 regarding IS-813 as FYI.

- Correspondence to 3GPP regarding cooperation on development of OAM&P specifications (S00-20000509-051) was presented. This document was approved for transmission as modified by the discussion (S00-20000509-051R1).
- Correspondence to all TSGs regarding TSG-S development of OAM&P Stage 2 and Stage 3 specifications (S00-20000509-047) was presented. This document was approved for transmission as modified by the discussion (S00-20000509-047R1).
- PMT Report (S00-20000509-043 - verbal only) was presented by PMT Chair, Bob Plunkett (Quicksilver).
  - Reviewed workplan and released v17 (S00-20000509-049). This document was adopted without objection as modified by the discussion (S00-20000509-049R1) for posting on the website and distribution to the 3GPP2 All Participants list.
  - Reviewed line item descriptions and released an update version (S00-20000509-050). This document was adopted without objection for posting on the website and distribution to the 3GPP2 All Participants list.
  - An adhoc has been formed to address Q.1701 issues
  - The Document Management AdHoc Chair will review TSG-C documentation issues off-line.
  - Discussed issued related to 3GPP2 difficulty to develop end-to-end services efficiently. The group agreed in principle, without objection, that TSG-S meeting should not be co-located with other TSGs in an attempt to increase TSG-S accessibility to liaisons from other TSGs. E-mail discussions will be held before the next meeting to develop a contribution to SC for procedural or structural changes.
- OLD BUSINESS: No additional discussions.
- NEW BUSINESS:
  - The Secretary was directed to contact the 3GPP2 Meeting Planner to extend the Vancouver, BC meeting as follows: Start 1:30 PM 6/5/00, end 5:00 PM 6/9/00
- ASSIGNMENTS: None noted.
- FUTURE MEETINGS:
  - 6/5-9/00 Hyatt Regency Hotel in Vancouver, BC
  - 7/11-13/00 Mauna Lani Hotel in Hawaii, HI
  - 8/22-25/00 Sheraton Fisherman's Wharf Hotel in San Francisco, CA

This meeting was adjourned on 5/11/00 at 3:15 PM local time.



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

NUMBER	SUBJECT	SOURCE
<b>OPENING PLENARY - 3GPP2-S00-20000509-</b>		
000	CONTRIBUTION REGISTER	SECRETARY
001	AGENDA	CHAIR
002	Meeting Summary - 3/00 - Kyoto, Japan	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	Corr on IP Data Broadcast	TSG-P
008	Corr on Packet Data QoS	TSG-P
009	Corr on Release B Status	TSG-N-WIN
010	Corr on Work Plan	TSG-A
011	RUAC Release B Stage 1 Baseline01	TSG-N-WIN
012	Corr on 3GPP-3GPP2 Cooperation	TR45.7
013	Correspondence dated 4/19/00 requesting the multicast/broadcast remain in Release B	SPRINT PCS
014	E-mail on TSG-S responsibilities for 1x enhancement requirements	CHAIR
015	E-mail on TSG-S responsibilities for 1x enhancement requirements	LUCENT
016	TSG-C Liaison Report	TSG-C LIAISON
017	Correspondence dated 5/8/00 to SC Chair regarding TSG-C status related to 1x enhancements	TSG-C
018	Comments on SCG	TSG-C
019	Response to TSG-S correspondence regarding NRM	TSG-C
020	3GPP2 Release B workplan v16+	PMT CHAIR
021	Liaison statement on updating of RSPC	ITU-R WP 8F
022	AHAG Liaison Report	AHAG LIAISON
023	1x evolution requirements	CWTS
<b>WG1: FEATURE/SERVICE REQUIREMENTS - 3GPP2-S10-20000509-</b>		
001	AGENDA	CHAIR
002	Feature definition for WLL	CDG
003	Feature definition for WPP	CDG
004	Problem statement and proposed solution for WLL	CDG
005	Stage 1 description for WLL (C.P0024)	CDG
006	Stage 1 description for WPP (C.P0025)	CDG
007	Video Conferencing Stage 1 (C.P0021)	EDITOR
008	Video Streaming Stage 1 (C.P0022)	EDITOR
009	Correspondence regarding Location Information Restriction (LIR)	TSG-N
010	LIR Stage 1 (C.P0020)	EDITOR

011	LBSS Stage 1 (C.P0019)	EDITOR
<b>WG2: OAM&amp;P AND NRM - 3GPP2-S20-20000509-</b>		
001	Agenda	CHAIR
002	Summary of 4/00 Meeting	CHAIR
003	3GPP/3GPP2 Collaboration on Network Management	Mike Fargano (TIM1 Chair) personal comments
004	TR45 meeting Report	NORTEL NETWORK
005	3GPP2 OAM&P Stage 2/3 Protocol	MOTOROLA/ERICSSON
006	Correspondence to 3GPP2 TSG-S WG2	3GPP TSG-SA WG5
<b>PMT: PROJECT MANAGEMENT TEAM - 3GPP2-S30-20000509-</b>		
001	Agenda	CHAIR
002	Draft Meeting Minutes from Kyoto Japan - No Contribution	CHAIR
003	TSG-A Correspondence on the Workplan (S00-20000509-010)	TSG-A
004	Sprint PCS Letter on Multicast Broadcast (S00-20000509-013)	SPRINT PCS
005	TSG-C Liaison Report (S00-20000509-016)	TSG-C LIAISON
006	Workplan Version 16+ (S00-20000509-020)	CHAIR
007	Work Item Descriptions V1.0+	CHAIR
008	ITU_T-WP8F Liaison Statement (S00-20000509-021)	ITU-T WP8F
009	Correspondence from SC Chair on RSPC	CHAIR
010	Proposed Workplan V17	CHAIR
011	Proposed Work Item Descriptions V1.1	CHAIR
<b>CLOSING PLENARY - 3GPP2-S00-20000509-</b>		
041	WG1 Report	WG1
042	WG2 Report	WG2
043	PMT Report (no report)	PMT
044	Proposed correspondence to all TSGs on 1x enhancements	WG1
045	Proposed correspondence to all TSG-C on LIR	WG1
046	Proposed correspondence to TR45.2 on TR45.2 work items	WG1
047	Proposed correspondence to all TSGs on OAM&P plan	WG2
048	Proposed correspondence to TSG-N-WIN on LIR and LBSS	WG1
049	Workplan v17	PMT
050	Work item descriptions	PMT
051	Proposed correspondence to 3GPP regarding OAM&P cooperation	WG2

**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.R0006	Cellular Features Description (TIA/EIA-664-A Rev A)
S.R0007	User Selective Call Forwarding (Stage 1) (PN-4551)
S.R0008	Answer Hold (Stage 1) (PN-4550)
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) (Note 3)
S.R0017	3G Wireless Network Management System High Level Requirements (Stage 1) (Note 4)
S.R0018	Prepaid Services (Stage 1) (PN-4287) (Note 4)

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

<b>NUMBER</b>	<b>TITLE</b>	<b>STATUS</b>
S.P0019	Location Based System Services (LBSS) Stage 1	V&V
S.P0020	Location Information Restriction (LIR) Stage 1	Development
S.P0021	Video Streaming Stage 1	V&V
S.P0022	Video Conferencing Stage 1	V&V
S.P0023	1x Enhancements Requirements	In development
S.P0024	WLL Stage 1	In development
S.P0025	WPP Stage 1	In development

3GPP2 QUORUM ROLL CALL				
TSG-S (Systems and Services Aspects)				
May 15, 2000				
COMPANY	Attendance 05/09/00	Attendance 05/11/00	Consecutive Mtgs Missed	Quorum Status at Mtg Start
ALPS			3	0
AT&T			3	0
BELL ATLANTIC MOBILE			3	0
BELL MOBILITY			3	0
DDI	1		0	1
ERICSSON		1	0	0
FUJITSU			0	1
GEMPLUS			1	1
GTE			1	1
HITACHI	1		0	1
HUGHES NETWORK SYSTEMS			1	1
HYUNDAI			0	1
IDO			2	1
INTEL	1		2	1
KDD			1	1
LG TELECOM	1		1	1
LGIC	1		1	1
LUCENT	1		0	1
MOTOROLA	1		0	1
NEC	1		0	1
NOKIA	1		0	1
NORTEL NETWORKS	1		0	1
DOCOMO US LABORATORIES	1		3	0
OKI TELECOM	1		0	1
PANASONIC			3	0
PHILLIPS			3	0
QUALCOMM	1		0	1
RADIO RESEARCH LAB			3	0
SAMSUNG			0	1
SBC			3	0
SONY			3	0
SPRINT PCS	1		0	1
SYNACOM			3	0
TOSHIBA			3	0
US WEST			3	0
VODAFONE-AIRTOUCH			1	1
<b>TOTALS</b>	<b>13</b>	<b>0</b>		<b>22</b>
<b>QUORUM CALCULATION</b>	<b>59%</b>	<b>0%</b>		
<b>ADDITIONS</b>				
COMVERSE NETWORKS SYS			0	0
QUICKSILVER TECHNOLOGY	1		0	0
LINKAIR COMMUNICATIONS	1		0	0
			0	0
			0	0
<b>OBSERVERS AND GUESTS</b>				
				0
<b>QUORUM STATUS NOTES:</b>				
- BOLD WITH BACKGROUND = Must attend 2 consecutive mtgs to be added to quorum list				
- BOLD WITHOUT BACKGROUND = Will be added to quorum list next mtg if they attend				