

1 **Title:**

2 APPROVED SUMMARY OF TSG-S MEETING
3 for the period of 18-22 September 2000 in Seoul, Korea

4 **Source:**

5 Clifton J. Barber

6 SECRETARY

7 Oki Network Technologies 70 Crestridge Drive Suite 150 Suwanee, Georgia 30024
8 (678) 482-2669 Fax (678) 482-8941 cbarber@okitele.com

9 **Abstract:**

10 This document provides the summary of the 3GPP2 TSG-S meetings held at the Sheraton Walker Hill
11 Hotel in Seoul, Korea during the period of 18-22 September 2000.

12 **Recommendation:**

13 For review and approval.

15 **Notice:**

16 © 2000 3GPP2

17 The contributor grants a free, irrevocable license to 3GPP2 and its partner SDOs to incorporate text contained in this
18 contribution and any modifications thereof in the creation of a standards publication; to copyright in the name of
19 3GPP2 or its partner SDOs any standards publication even though it may include portions of this contribution; and,
20 at their sole discretion, to permit others to reproduce in whole or in part the resulting standards publication from the
21 partner SDOs.

1 During the period of 18-22 September 2000, a meeting of 3GPP2 TSG-S was held at the Sheraton
2 Walker Hill Hotel in Seoul, Korea. 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 19 September 2000 at 8:20 AM local time by TSG-S Vice Chair, Dong-Myung Lee
6 (Motorola).

7 The Chair welcomed everyone to Seoul.

8 2. ATTENDANCE REGISTRATION AND ROLL CALL: A roll call of TSG-S active
9 companies indicated 12 companies in attendance out of 21 active companies (57%
10 participation). Thus, meeting quorum was achieved.

11 3. DISTRIBUTION AND NUMBERING OF AGENDA: Contributions were documented in
12 S00-20000919-000. All contributions were distributed as soft copy only.

13 4. ADOPTION OF AGENDA: The proposed agenda (S00-20000919-001R2) was reviewed
14 and approved without objection with two (2) modifications to the meeting schedule
15 (S00-20000919-001R3). The contributions were numbered and assigned to agenda items.

16 5. ASSIGNMENT OF CONTRIBUTIONS TO AGENDA ITEMS: Previously completed.

17 6. REVIEW AND APPROVAL OF PREVIOUS MEETING SUMMARY: The meeting
18 summary for August 2000 in San Francisco, CA (S00-20000919-002) was presented and
19 approved without objection as submitted.

20 7. CORRESPONDENCE: None.

21 8. LIAISON REPORTS

22 • TSG-A:

23 • E-mail correspondence from TSG-A dated 31 August 2000 (S00-20000919-
24 006) summarized the status of work items in process in TSG-A. A new work
25 item was added to investigate a new RAN architecture in support of the All IP
26 network. This contribution was remanded to the PMT for review and action as
27 appropriate.

28 • A summary of the August 2000 TSG-A meeting (S00-20000919-018) was
29 presented as FYI. This contribution was also remanded to the PMT for review
30 and action as appropriate.

31 • TSG-C: A verbal report from the TSG-C Liaison indicated the following:

32 • The 1xEV-DV Editor presented the following documents at the TSG-S opening
33 Plenary:

34 • 1xEV-DV Requirements Status (S00-20000919-012)*

35 • 1xEV-DV Stage 1 v0.0.4 (S00-20000919-013)

- 1 • 1xEV-DV Open Items List (S00-20000919-014)
- 2 These contributions were remanded to WG1 as FYI.
- 3 Based on the substantial interest in the 1xEV-DV requirements, a joint meeting
- 4 between TSG-C and TSG-S on this subject was requested and subsequently
- 5 scheduled for 19 September 2000 from 5-9 PM local time.
- 6 * Several contribution number reference errors were noted in this document.
- 7 • Two (2) concerns regarding Release B scheduling have been noted by TSG-C
- 8 including the following:
- 9 • 3G MEID cannot be completed in the Release B timeframe even if the
- 10 Stage 1 document is completed since the industry is still direction on this
- 11 subject is still in development.
- 12 • IP Multicast/Broadcast can be completed only if the requirements allow
- 13 an “easy” implementation without major impact to physical or signaling
- 14 layers. This direction cannot be determined until the Stage 1
- 15 requirements on this subject are completed.
- 16 • Regarding TSG-C Release B scheduling:
- 17 • An interim Plenary conference call will be scheduled for
- 18 21 November 2000 to approve the Release B documents as baseline
- 19 text.
- 20 • V&V will be scheduled for the period of 27 November 2000 through
- 21 8 December 2000 (closing Plenary of the Kauai meeting)
- 22 • Release B documents are scheduled to be approved by TSG-C and
- 23 released for ballot by TR45.5 on 8 December 2000.
- 24 • TSG-N: No report.
- 25 • TSG-P: No report.
- 26 • All IP AdHoc: A verbal report from the All IP AdHoc Secretary indicated the
- 27 following:
- 28 • NAM and Requirements Focus Groups met on 6-8 September 2000 in
- 29 Vancouver, BC
- 30 • Only one (1) outstanding requirement on Requirements Open Items List and
- 31 that item requires TSG-A input.
- 32 • Approximately 20 each outstanding items on the NAM Open Items List.
- 33 • AdHoc meetings for this week in Seoul and on 3-5 October 2000 in Chicago
- 34 will be used to finalize the NAM and Requirements documents as well as
- 35 completed their recommendations for development of the All IP Network after
- 36 the AdHoc has completed its charter.

- 1 • An additional meeting of the NAM Focus Group is being scheduled for
2 18-20 October 2000 in Burlington, VT (collocated with TSG-N) for V&V and
3 final cleanup.
- 4 • The group is still planning to present its report and complete its charter at the
5 3GPP2 SC meeting on 2 November 2000
- 6 • TR45: An unofficial summary of the TR45 meeting for August 2000 (S00-20000919-
7 015) was presented as FYI.
- 8 • TR45 ISD ADHOC: No report.
- 9 • TR45.7: No report
- 10 • TR45 NAG: No Report.
- 11 • TR45 AHAG: E-mail correspondence from the Secretary of AHAG Vice Chair, Frank
12 Quick (QUALCOMM), (S00-20000919-017) indicated that source code and other
13 information for the three (3) ESP alternatives.
- 14 • ITU: E-mail correspondence from the primary 3GPP2 consultant, John Visser (Nortel
15 Networks), regarding the timeline for supplements to Q.1701 (S00-20000919-005)
16 was presented by the Secretary as FYI.
- 17 • WAP FORUM: No report. The WG2 Vice Chair noted that 3GPP2 Liaison to the
18 WAP Forum has been injured so the WAP Forum Liaisons will continue upon his return
19 to work.
- 20 • 3GPP-SA5: The 3GPP-SA5 Liaison Report (S00-20000919-021) was presented by
21 the 3GPP-SA5 Liaison. This contribution included several meeting reports and a
22 summary of the 3GPP-SA5 work items. This contribution was remanded to WG2 as
23 FYI.
- 24 • TIM1: No report.

25 9. NEW BUSINESS

- 26 • A contribution on organization for All IP specification development (S00-20000919-
27 007R1) was presented by six (6) Japanese companies. This contribution recommended
28 that a new TSG be formed to through consolidation of TSG-N and TSG-P.
- 29 • A contribution on the All IP project management in TSG-S (S00-20000919-009) was
30 presented by Lucent and Sprint PCS. The contribution proposed a new TSG-S WG
31 for management of the All IP development.
- 32 • A motion was made by Oki Network Technologies and duly seconded that TSG-S
33 make the recommendation to the All IP AdHoc that the specification development and
34 maintenance of the All IP Network core network be handled in a single TSG. The vote
35 was as indicated below:
 - 36 • FOR 5

- 1 • AGAINST 4
- 2 • ABSTAIN 4

3 The motion failed. Lucent, QUALCOMM, and Verizon Wireless all indicated that their
4 negative votes were based on insufficient time for discussion on this subject.

- 5 • By direction of the Chair, Lucent and DDI were assigned the task of preparing a
6 recommendation for TSG-S input to the All IP AdHoc. This recommendation (S00-
7 20000919-022) proposed that, with respect to the on-going development of the All IP
8 Network, TSG-S continue, as a minimum, its traditional roles of requirements
9 development, network reference model management, and project management. That
10 contribution was reviewed by the group and approved without objection as modified by
11 the discussion (S00-20000919-022R3).

12 10. OLD BUSINESS:

13 • WG1 ISSUES

- 14 • Correspondence dated 18 August 2000 from TR45.2 regarding International
15 Calling Number and Plus Code Dialing (S00-20000919-003) was presented.
16 The correspondence included the TR45.2 approved baseline text for their
17 Stage 1 document for PN-4863. This contribution was remanded to WG1 for
18 review and action as appropriate.
- 19 • A proposed Stage 1 Enhanced Subscriber Authentication (ESA) and Enhanced
20 Subscriber Privacy (ESP) (S00-20000919-010) was presented by
21 QUALCOMM. This contribution was remanded to WG1 for review and
22 action as appropriate.
- 23 • Updates to the 1xEV-DV Stage 1 v0.0.5 (S00-20000919-019) and the
24 1xEV-DV Open Items List (S00-20000919-020) were presented by the
25 Editor. This contribution was remanded to WG1 for review and action as
26 appropriate.

- 27 • W2 ISSUES: No contributions.

28 • PMT ISSUES

- 29 • Correspondence dated 17 August 2000 from TSG-N regarding Release B
30 Features (S00-20000919-004) was presented. This contribution was
31 remanded to the PMT for review and action as appropriate.
- 32 • Contribution number S00-20000919-011 was requested in advance by the
33 PMT Chair but was unavailable at the meeting.

34 11. NEW BUSINESS: Discussions were postponed until closing Plenary.

35 12. RECESS: The Plenary was recessed on 19 September 2000 at approximately 2:25 PM local
36 time.

1

2 **CLOSING PLENARY**

3 13. RECONVENE: The Plenary was reconvened at 1:40 PM local time on 22 September 2000
4 by TSG-S Vice Chair, Dong-Myung Lee (Motorola). Quorum had been established at the
5 opening Plenary and was not challenged at this session.

6 14. WORKING GROUP REPORTS

7 • WG1 Report (S00-20000919-041R1) was presented by WG1 Chair, Nick
8 Mazzarella (Lucent) as FYI.

9 • Conference calls will be held to discuss the following:

- 10 • AKA
- 11 • Common Channel Packet Data
- 12 • IP Broadcast/Multicast

13 These documents are intended to be submitted at the opening Plenary in Kyoto.

14 • A 1xEV-DV Requirements status report (S00-20000919-046) was presented
15 as FYI.

16 • An update to the 1xEV-DV Open Item List v07 (S00-20000919-045) was
17 noted and remanded to WG1 for action as appropriate.

18 • Stage 1 descriptions S.R0024 WLL (S00-20000919- 054) and S.R0025
19 WPP (S00-20000919-055), which were conditionally approved at the last
20 meeting, were noted as FYI.

21 • The TSG-S Chair formed an 1xEV-DV AdHoc at the Plenary level to
22 complete work on the 1xEV-DV Stage 1 for approval at a 17 October 2000
23 Interim Plenary conference call. Clif Barber (Oki Network Technologies) was
24 named as the AdHoc Chair. A conference call of this AdHoc was scheduled
25 for 12 October 2000 at 9:00 AM eastern, 10:00 PM in Japan and Korea.

26 • S.P0019 Stage 1 for LBSS (S00-20000919-052) was approved for
27 publication without objection.

28 • S.P0029 Stage 1 for Access Control based on Call Type (S00-20000919053)
29 was approved for publication without objection.

30 • WG2 Report (S00-20000919-042) was presented by the WG2 Vice Chair, Scott
31 Migaldi (Motorola) as FYI.

32 • Work on the unified 3GPP/3GPP2 OAM&P strategy continued.

- 1 • Correspondence to TR45 regarding the response to liaison from TR45.7 on
2 ITU-T M.3210 (S00-20000919-051) was presented. This correspondence
3 was approved without objection for transmission as modified by the discussion
4 (S00-20000919-051R1)
- 5 • PMT Report (S00-20000919-043) was presented by PMT Vice Chair, Michio Kudo
6 (DDI) as FYI.
- 7 • A recommendation that PMT should control scheduling for Stage 1
8 development in WG1 was agreed. WG1 and PMT will discuss details at the
9 next meeting.
- 10 • The 3GPP2 workplan v20 (S00-20000919-049) and workplan line item
11 descriptions (S00-20000919-050) were approved without objection.
- 12 • V&V Report: No report.
- 13 15. OLD BUSINESS (continued):
- 14 • Correspondence dated 21 September 2000 to all TSGs from the All IP AdHoc
15 regarding their 3GPP2 proposed workplan for the All IP Network (S00-20000919-
16 047) was presented by the All IP Liaison. This correspondence requested comments
17 on this workplan by 24 October 2000. This contribution was remanded to all TSG-S
18 participants for review and comment by the next TSG-S meeting. The group decided
19 that the schedule for Release B activities did not allow the group to meet the AdHoc
20 request for comment.
- 21 • The All IP Liaison Report (S00-20000919-048) was presented by the All IP Liaison.
22 Lucent noted that the report incorrectly stated that “the Lucent contribution also
23 proposed that Stage 1 responsibilities with respect to All IP also be relegated to this
24 group.” This report indicated that TSG-S should advise the AdHoc on whether TSG-S
25 was willing to delegate their Stage 1 responsibilities with respect to All IP to a special
26 coordinating group. There was general consensus that TSG-S will decide where to
27 assign additional Stage 1 requirements work on an as needed basis.
- 28 • A response correspondence to the All IP AdHoc Co-Chair will be generated on behalf
29 of the TSG-S Chair to advise them of TSG-S status in this matter. That
30 correspondence will be transmitted in time for the next All IP AdHoc meeting on
31 3 October 2000 and will be available as a contribution at the opening Plenary of the
32 next TSG-S meeting.
- 33 16. NEW BUSINESS (continued):
- 34 • A contribution on proposed modifications to the V&V process (S00-20000919-008)
35 was presented. This contribution makes a recommendation on how the V&V process
36 can be modified so as to reduce meeting time required while maintaining quality of the
37 V&V. The V&V Chair agreed to review this document and to provide his comments at
38 the opening Plenary in Kyoto.

- 1 17. ASSIGNMENTS: Not separately discussed.
- 2 18. FUTURE MEETINGS:
 - 3 • 17 October 2000 Interim Plenary conference call to approve S.R0026
 - 4 6:00 AM west coast
 - 5 • 30 October - 1 November 2000 Kyoto International Conference Hall in Kyoto, Japan
 - 6 • 5-7 December 2000 Hyatt Regency in Kauai, HI
- 7 19. ADMINISTRATION AND OTHER BUSINESS: None.
- 8 20. ADJOURNMENT: This meeting was adjourned on 22 September 2000 at 3:00 PM local
- 9 time.

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

NUMBER	SUBJECT	SOURCE
OPENING PLENARY - 3GPP2-S00-20000919-		
000	CONTRIBUTION REGISTER	SECRETARY
001	AGENDA	CHAIR
002	Meeting Summary - August 2000 - San Francisco, CA	SECRETARY
003	Correspondence dated 18 August 2000 regarding International Calling Number and Plus Code Dialing	TR45.2
004	Correspondence dated 17 August 2000 regarding Release B features	TSG-N
005	E-mail correspondence dated 13 September 2000 regarding a reminder on the Q.1701 supplement	ITU-T LIAISON
006	E-mail correspondence dated 31 August 2000 regarding TSG-A activities	TSG-A
007	Organization for All IP specification development	DDI
008	Proposed modifications to the V&V process	LUCENT
009	The All IP project management in TSG-S	LUCENT
010	Stage 1 Requirements of Enhanced Subscriber Authentication (ESA) and Enhanced Subscriber Privacy (ESP)	QUALCOMM
011	Updated workplan descriptions	PMT CHAIR
012	1xEV-DV Requirements status	EDITOR
013	S.R0026 1xEV-DV Stage 1 v0.0.4	EDITOR
014	1xEV-DV Open Items List v05	EDITOR
015	Unofficial summary of TR45 meeting - 30-31 August 2000	SECRETARY
016	3G MEID Stage 1 v0.0.0	EDITOR
017	AHAG ESP postings	QUALCOMM
018	TSG-A summary of meeting #19 - August 2000	TSG-A
019	S.R0026 1xEV-DV Stage 1 v0.0.5	EDITOR
020	1xEV-DV Open Items List v06	EDITOR
021	3GPP-SA5 Meeting #14 Report	3GPP-SA5 LIAISON
022	All IP Project Management in TSG-S	DDI and LUCENT
WG1: FEATURE/SERVICE REQUIREMENTS - 3GPP2-S10-20000919-		
001	AGENDA	CHAIR
002	AH & USCF Approval	KDD
003	Broadcast Multicast requirements	LUCENT
004	ACCT Stage1	EDITOR
005	Draft Stage 1 Personal Mobility rev 0.0.3	EDITOR
006	1xEV-DV_Stage1_v0.0.4	EDITOR
007	1xEV-DV_Open_Reqs_v05	EDITOR
008	1xEV-DV Requirements Comments	LUCENT

2

009	IP multicast-broadcast	LG ELECTRONICS
010	ESN-Occurrence-in-IS-2000-signlain	NOKIA
011	Evolving from 1xEV-DO to 1xEV-DV System	NORTEL NETWORKS
012	Common Channel Packet Data Stage 1 ver 0.0.1	NORTEL NETWORKS
013	1xEV-DV requirements for Battery Life	MOTOROLA AND NOKIA
014	Proposed changes in text for requirement GR-11 of 1xEV-DV.	MOTOROLA AND VERIZON
015	Original LBSS UCMs for Appendix 3	NORTEL NETWORKS
016	TSG-C5_Comments_on_1xDV_S1	TSG-C WG5 CO-CHAIR
017	1xEV-DV_Stage1_v0.0.6	EDITOR
018	1xEV-DV_Open_Reqs_v07	EDITOR
WG2: OAM&P AND NRM - 3GPP2-S20-20000919-		
001	Agenda	CHAIR
002	Summary of Meeting on July 12	CHAIR
003	Presentation to TSG-A on RAN impacts from 1xEV-DO	TSG-C
004	Draft Correspondence to TSG-A	MOTOROLA
PMT: PROJECT MANAGEMENT TEAM - 3GPP2-S30-20000919-		
001	Agenda	CHAIR
002	Draft Meeting Minutes from San Francisco	CHAIR
003	1xEV-DV Status Report 000825	TSG-C
004	Release B Workplan	TSG-C
005	cdma2000 reference list RSPC Revision	TSG-C
006	3GPP2 Workplan V20	CHAIR
007	Work Item Descriptions V1.3	CHAIR
CLOSING PLENARY - 3GPP2-S00-20000919-		
041	WG1 Report	WG1
042	WG2 Report	WG2
043	PMT Report	PMT
044	V&V Report (no report)	V&V CHAIR
045	1xEV-DV Open Item List v08	EDITOR
046	1xEV-DV Requirements status - 22 September 2000	EDITOR
047	Correspondence dated 21 September 2000 regarding All IP workplan	ALL IP ADHOC
048	All IP AdHoc Liaison Report	ALL IP ADHOC
049	3GPP2 Workplan v20	PMT
050	3GPP2 Work Item Descriptions v1.3	PMT
051	Correspondence to TR45 regarding ITU-T M.3210	WG2
052	S.P0019 LBSS Stage 1	WG1
053	S.P0029 ACCT Stage 1	WG1
054	S.R0024 WLL	WG1

1
2

055	S.R0025 WPP	WG1
-----	-------------	-----

1

STATUS OF APPROVED TSG-S SPECIFICATIONS AND REPORTS

NUMBER	TITLE
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)
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
S.R0024	WLL Stage 1
S.R0025	WPP Stage 1
S.R0029	Access control based on call type Stage 1

2

3

4

STATUS OF TSG-S PROJECTS IN PROCESS

NUMBER	TITLE	STATUS
S.P0020	Location Information Restriction (LIR) Stage 1	In development
S.P0026	High Speed Data Enhancements for cdma2000 1x Stage 1 - Integrated Data and Voice (1xEV-DV)	In development
S.P0027	Personal Mobility Stage 1	In development
S.P0028	OAM&P Stage 2/3 for cdma2000 (3GPP Delta Specification)	In development
S.P0030	IP Multicast/Broadcast	In development
S.P0031	Common Channel Packet Data	In development
S.P0032	AKA	In development

5

6

1

3GPP2 QUORUM ROLL CALL				
TSG-S (Systems and Services Aspects)				
September 22, 2000				
COMPANY	Attendance 09/19/00	Attendance 09/22/00	Consecutive Mtgs Missed	Quorum Status at Mtg Start
BELL MOBILITY			0	0
DDI	1		0	1
DOCOMO US LABORATORIES		1	0	1
ERICSSON			2	1
FUJITSU	1		0	1
HITACHI	1		0	1
HYUNDAI			3	0
IDO			1	1
INTEL			1	1
KDD			1	1
LG TELECOM			3	0
LG ELECTRONICS	1		0	1
LINKAIR COMMUNICATIONS	1		0	1
LUCENT	1		0	1
MOTOROLA	1		0	1
NEC			0	1
NOKIA	1		0	1
NORTEL NETWORKS	1		0	1
OKI NETWORK TECHNOLOGIES	1		0	1
PHILLIPS			3	0
QUALCOMM	1		0	1
QUICKSILVER TECHNOLOGY			0	1
SAMSUNG			1	1
SONY			0	1
SPRINT PCS	1		0	1
TELCORDIA			2	0
VERIZON WIRELESS	1		1	0
TOTALS	12	1		21
QUORUM CALCULATION	57%	5%		
ADDITIONS				
ALCATEL	1			0
SIRF TECHNOLOGY		1		0
				0
				0
				0
OBSERVERS AND GUESTS				
CDG	1			
				0
QUORUM STATUS NOTES:				
- HIGHLIGHTED ZERO = Must attend 2 consecutive mtgs to be added to quorum list				
- NON-HIGHLIGHTED ZERO = Will be added to quorum list next mtg if they attend				