

**3GPP2 TSG-P
Wireless Packet Data Networking**

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TITLE:

TSG-P Meeting Summary, Meeting #24

SOURCE:

Chair, 3GPP2 TSG-P

Samsung Telecommunications America
1130 E. Arapaho Road
Richardson, TX 75081

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ELECTRONICS

ABSTRACT:

This document contains the summary of the TSG-P meeting, which was held on April 9-12, 2001 in Atlanta, GA.

RECOMMENDATION:

Review for accuracy and amend as needed.

Notice

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**Wireless Packet Data Networking
Meeting Report, Meeting #24**

Date: April 9 - 12, 2001
 Location: Renaissance Waverly Hotel
 2450 Galleria Parkway
 Atlanta, GA 30339
 Chair: Haeng S. Koo, Samsung Electronics
 Phone: 972.761.7755
 E-mail: hskoo@sta.samsung.com

Quorum Members, Attendees, and Attendance Status

Organization	Attendee of this meeting	Last 4 Meetings Attended
Alcatel USA	Tom Tansil	#21 #22 #23 #24
Certicom Corp	Dorothy Gellert	#21 #22 #23 #24
Cisco	Glen Zorn	#21 #22 #23 #24
CommWorks	Ed Campbell	#21 #22 #23 #24
Ericsson	Lila Madour	#21 #22 #23 #24
Hyundai Electronics	Yeonsang Koo	#21 #24
Fujitsu	Mamoru Higuchi	#21 #22 #23 #24
Hitachi	Morihisa Matsumoto	#21 #24
KDDI		#22 #23
LG Electronics	Byung-Keun Lim	#21 #22 #23 #24
Lucent Technologies	Tom Hiller	#21 #22 #23 #24
Mitsubishi Electric		#21
Motorola	Wayne Bowen	#21 #22 #23 #24
NEC	Hirofumi Okata	#22 #24
Nokia	Thin Nguyenphu	#21 #22 #23 #24
Nortel Networks	Kuntal Chowdhury	#21 #22 #23 #24
Qualcomm Inc.	Raymond Hsu	#21 #22 #23 #24
Qwest Communications	Jim Gately	#23 #24
Samsung Electronics	Haeng S. Koo	#21 #22 #23 #24
SK Telecom		#21 #22 #23
Sprint PCS	Iris Zeng	#21 #22 #23 #24
Starent Networks	Paul Shieh	#21 #22 #23 #24
Sun Microsystems	Pat Calhoun	#21 #22 #24
Tantivy Communications	Howard Heller	#21 #22 #23 #24
Verizon Wireless	Bryan Cook	#21 #23 #24
Winphoria Networks	Srini Rao	#23 #24

Others Present

Organization	Attendee
Bell Mobility	Khai Nguyen
Cambia Networks	Karl Freter
ComWorks	Mike Borella
Ericsson	Ulises Olvera
Ericsson	Frances Lupien
Ericsson	Phil Brown
Ericsson	Henrik Basilier
LCC International	Vikrant Tannan

LG Electronics	Ki-Young Kim
Lucent Technologies	Mike McPheters
Lucent Technologies	Frank Alfano
Lucent Technologies	Mike Dolan
Lucent Technologies	Pete McCann
Motorola	Anda Farcasanu
Nokia	Ernie Tacsik
Nextel	H. Hussan Patrovi
Nextel	David Martin
Samsung Electronics	Junhyuk Song
WaterCove Networks	Ellis Wong

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2 1. Call To Order and Opening Remarks

3 The meeting was called to order at 4:00 PM on April 9, 2001 at Renaissance Waverly Hotel in Atlanta, GA.

4 2. Attendance Registration

5 The attendance roster was circulated, and the names and organizations of the present are reflected above. The quorum list
6 stood at 24 member companies. With 21 member companies present, a quorum was declared. Qwest Communications and
7 Winphoria Networks were added to the quorum list, and Mitsubishi Electric was removed from the quorum list.

8 3. Review and Adoption of Agenda

9 The Chair introduced 3GPP2-P00-20010409-001 as the proposed agenda, which was approved as presented.

10 4. Contributions Assignment to Agenda Items

11 The following 33 contributions were submitted, numbered and assigned to the agenda:
12

Number	Title	Source	Agenda Item
3GPP2-P00-20010409-001	Proposed Agenda	Haeng Koo, Chair, Samsung	3
3GPP2-P00-20010409-002	Meeting Summary, Meeting #22	Haeng Koo, Chair, Samsung	5
3GPP2-P00-20010409-003	Correspondences	Haeng Koo, Chair, Samsung	6
3GPP2-P00-20010409-004	TSG-P Work Items and Action Items	Haeng Koo, Chair, Samsung	10,11
3GPP2-P00-20010409-005	cdma2000 Packet Data Security Assessment	Verizon Wireless, Christopher Carroll	8A12
3GPP2-P00-20010409-006	cdma2000 Packet Data Security Assessment	Verizon Wireless, Christopher Carroll	8A12
3GPP2-P00-20010409-007	cdma2000 Packet Data Security Requirements	Verizon Wireless, Christopher Carroll	8A12
3GPP2-P00-20010409-008	QoS Packet Mapping and Multiple Service Instances	Frank Alfano, Tom Hiller, Pete McCann, Lucent	8A1
3GPP2-P00-20010409-009	TSG-P QoS concepts and framework (Release C3) Rev. 0.1	Lila, Madour, Ericsson	8A1
3GPP2-P00-20010409-010	Voice-over-IP concepts in CDMA2000: Proposed text	Ericsson	8A3
3GPP2-P00-20010409-011	ROHC 0-BYTE LITE	Ghyslain Pelletier, Francis Lupien, Lila Madour, Ulises Olvera-Hernandez, Ericsson	8A3
3GPP2-P00-20010409-012	0-Byte Header Compression in CDMA 2000 Establishment and Operation Procedures	Ulises Olvera-Hernandez, Francis Lupien, Lila Madour, Ghyslain Pelletier, Ericsson	8A3
3GPP2-P00-20010409-013	Draft baseline text for simple IPv6	Ericsson	8A7
3GPP2-P00-20010409-014	Mobile Ipv6 in 3GPP2	Ericsson	8A7
3GPP2-P00-20010409-016	TSG-P Working Document for 3GPP2	Mamoru Higuchi, Fujitsu	8B

	All-IP Work Plan		
3GPP2-P00-20010409-017	DNS server IP address configuration in IS-835	Kuntal Chowdhury, Pete Wenzel, Nortel Networks	8A12
3GPP2-P00-20010409-018	Inter-PDSN Fast Handoff Accounting Updated	Serge Manning, Nortel Networks	8A2
3GPP2-P00-20010409-019	MN-HA authentication clarification	JunHyuk Song, ChaeYong Chong, Samsung Electronics, Dongkie Lee, SK Telecom	8A12
3GPP2-P00-20010409-020	TSG-P Terms of Reference	Haeng Koo, Chair, Samsung	10
3GPP2-P00-20010409-021	2002 Master Calendar	Haeng Koo, Chair, Samsung	12
3GPP2-P00-20010409-022	Requirements for Packet Data Billing	Khai Nguyen, Bell Mobility	8A9
3GPP2-P00-20010409-023	CDMA Advanced Multimedia Services	Ericsson	9
3GPP2-P00-20010409-024	CAMS Recommendation	Ericsson	9
3GPP2-P00-20010409-025	P.S0001-B Outline	Tom Hiller, Lucent	8A13
3GPP2-P00-20010409-026	“Always On” and PPP Inactivity Timers for Simple IP	Bryan Cook, Verizon Wireless	8A9
3GPP2-P00-20010409-027	Destination IP Address Requirement	Sprint PCS	8A9
3GPP2-P00-20010409-028	IPv6 cdma2000 Deployment Scenarios and Requirements	Mike Borella, Ed Campbell, CommWorks	8A7
3GPP2-P00-20010409-029	IPv6 Motivation in 3GPP2	Ernie Tacsik, Thinh Nguyenphu, Nokia	8B
3GPP2-P00-20010409-030	Radius message supporting Push Enabler for IP	Byung-Keun Lim, LG Electronics	8A10
3GPP2-P00-20010409-031	Liaison Draft Letter to TSG-A/C/S Regarding Header Compression	Lucent	8A3
3GPP2-P00-20010409-032	Comments on Dynamic HA allocation with RADIUS issue in release C3	Iris Zeng, Mark Lipford, Sprint PCS	8A6
3GPP2-P00-20010409-034	Liaison Draft Letter to TSG-A/C/S Regarding Header Compression	Ericsson	8A3
3GPP2-P00-20010409-035	“Always On” and PPP Inactivity Timers for Simple IP	Bryan Cook, Verizon Wireless	8A12

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2 5. Review of Meeting Reports

3 The Chair introduced “3GPP2-P00-20010409-002, Meeting Summary, Meeting #23,” and the contribution was accepted as
4 presented.

5 6. Correspondence

6 The Chair presented the following correspondences for information only:

- 7 • To Jean Alphonse, TSG-C Chair, regarding Packet Data Inactivity Timer Based On Realm,
- 8 • From Richard Robinson, TSG-S Chair, regarding 3GPP2 Vision Document,
- 9 • From Mark Lipford, All IP AHG Chair, regarding Procedure for Changes to the All-IP Responsibility Matrix,
- 10 • From Mike Dolan, All IP AHG Vice Chair, regarding TSG-S All IP AdHoc Action Regarding the All IP
11 Requirements,
- 12 • From Richard Robinson, TSG-S Chair, regarding Terms of Reference for the TSG-S All IP AdHoc,
- 13 • From Steve Denet, Steering Committee Chair, regarding Preliminary Response to Inquiries from ITU-T SSG IMT-
14 2000 and Beyond,
- 15 • From Mike Dolan, All IP AHG Vice Chair, regarding All IP NAM Interface 33 Responsibility, and
- 16 • From Betsy Kidwell, TSG-N Chair, regarding Interface 33.

17 7. Reports

18 Tom Hiller made a report on the Minneapolis IETF meeting:

- 1 • Diameter based AAA protocol may move to last call at the next IETF meeting. There is a concern that diameter
- 2 protocol may not make to an RFC before the C3 V&V (September 2001).
- 3 • IESG declared that they would not approve Mobile IPv6, which will be delayed about a year and, in turn, out of C3.
- 4 • 0-byte lite has been accepted as a subset of 0-byte profile.
- 5 • ROHC TCP is expected to make last call at the March 2002 meeting.

6 **8. Old Business**

7 **A. 3G Packet Data Technical Standard (Rel C)**

8 **1. QoS**

9 Lila Madour presented 3GPP2-P00-20010409-009, TSG-P QoS concepts and framework (Release C3) Rev. 0.1. This
10 contribution describes a QoS framework for release, which contains a description of an end-to-end QoS model for C3, QoS
11 traffic classes, QoS signaling mechanisms, QoS transport alternatives and QoS policy. This contribution was accepted with
12 modifications (as shown in R1 of this contribution) as a baseline of the QoS framework document. Contributions are
13 expected on the contents and open issues of the document. Lila is the editor of this framework document.

14 Tom Hiller presented 3GPP2-P00-20010409-008, QoS Packet Mapping and Multiple Service Instances. This contribution
15 proposes mechanisms for support of PPP and the mapping of packets in a multiple service instance environment. In
16 addition, this contribution proposes a QoS policy that applies to the multiple service instance environment. This
17 contribution was left open for a meeting cycle.

18 **2. Fast Handoff**

19 Kuntal Chowdhury presented 3GPP2-P00-20010409-018, Inter-PDSN Fast Handoff Accounting Updated. This
20 contribution is an update to P00-20010312-028 based on discussion during the last meeting. This contribution was carried
21 over to the next meeting for carriers' input.

22 **3. Header Compression**

23 Lila Madour presented 3GPP2-P00-20010409-010, Voice-over-IP concepts in CDMA2000: Proposed text. This
24 contribution describes text for specification that describes the concepts of Voice-Over-IP as well as the concepts
25 surrounding the compression scheme required to support the models. This contribution was accepted as a baseline with
26 modifications as shown in R2 version of this contribution.

27 Ulises Olvera-Hernandez presented 3GPP2-P00-20010409-012, 0-Byte Header Compression in CDMA 2000
28 Establishment and Operation Procedures. This contribution was kept open for a meeting cycle, but the TSG agreed to send
29 it to TSG-A/C/S as an attachment of the liaison correspondence regarding header compression.

30 Francis Lupien presented 3GPP2-P00-20010409-011, ROHC 0-BYTE LITE. The TSG decided to add this contribution to
31 the header compression working document.

32 Lucent and Ericsson presented Liaison Draft Letters to TSG-A/C/S Regarding Header Compression (3GPP2-P00-
33 20010409-031 and 3GPP2-P00-20010409-034, respectively), and the TSG came up with 3GPP2-P00-20010409-034R5.
34 The Chair will send the liaison correspondence to TSG-A/C/S based on 3GPP2-P00-20010409-034R5.

35 Tom Hiller proposed a conference call to discuss a new model based on GEHCO, and the TSG agreed to have one at 4:30
36 PM Central Time on April 23, 2001.

37 **4. Broadcast/Multicast**

38 There was no contribution on this topic.

39 **5. Mobile IP Enhancements**

40 There was no contribution on this topic.

1 6. AAA V2 Impacts

2 Iris Zeng presented 3GPP2-P00-20010409-032, Comments on Dynamic HA allocation with RADIUS issue in release C3.
3 This contribution emphasizes the need to standardize a scheme for dynamic HA allocation using RADIUS protocol in IS-
4 835 release C3. The TSG agreed that a solution for dynamic HA allocation is needed without depending on Diameter.

5 7. IPv6

6 Mike Borella presented 3GPP2-P00-20010409-028, IPv6 cdma2000 Deployment Scenarios and Requirements. This
7 contribution discusses the possible IPv6 deployment scenarios for the cdma2000 architectures. This contribution was left
8 open.

9 Lila Madour presented 3GPP2-P00-20010409-013, Draft baseline text for simple IPv6. This contribution summarizes the
10 discussions and agreements on the use of IPv6 in release C3 in the wireless IP standard. It proposes a baseline text based on
11 the agreements. This contribution was also left open.

12 Related to Ipv6 discussion, the TSG decided to have an Ipv6 working document limited to the C3 scope. Ernie Tacsik
13 volunteered to be an editor. He will send an outline to the exploder within two weeks.

14 Lila Madour presented 3GPP2-P00-20010409-014, Mobile Ipv6 in 3GPP2. This contribution describes requirements and
15 alternative solutions that 3GPP2 should look into and state a position and directive with respect to support of Mobile IPv6
16 in the CDMA2000 wireless IP standard. This contribution was left open for an update from Ericsson.

17 8. Link Layer Protocol

18 There was no contribution on this topic.

19 9. Accounting Enhancements

20 The following three contributions were presented regarding verbose accounting:

3GPP2-P00-20010409-022	Requirements for Packet Data Billing	Khai Nguyen, Bell Mobility
3GPP2-P00-20010409-026	“Always On” and PPP Inactivity Timers for Simple IP	Bryan Cook, Verizon Wireless
3GPP2-P00-20010409-027	Destination IP Address Requirement	Sprint PCS

21 The TSG decided to accept the accounting based on per destination IP address as a minimum and further look into per user
22 basis accounting. Vendors need to investigate feasibility of implementation and implications to performance.

23 10. Push Enabler for Service

24 Byung-Keun Lim presented 3GPP2-P00-20010409-030, Radius message supporting Push Enabler for IP. This contribution
25 was carried over to the next meeting, since SK Telecom was not present at this meeting.

26 11. Realm Configured Packet Data Session Inactivity Timer

27 There was no contribution on this topic.

28 12. Other Release C Work Items

29 Christopher Carroll presented the following three contributions:

- 30 • 3GPP2-P00-20010409-005, cdma2000 Packet Data Security Assessment (presentation)
- 31 • 3GPP2-P00-20010409-006, cdma2000 Packet Data Security Assessment, and
- 32 • 3GPP2-P00-20010409-007, cdma2000 Packet Data Security Requirements.

33 The TSG decided to create a work item, Packet Data Security, for the presented issue. The Chair will send a
34 correspondence to TSG-S Chair for creation of a new work item.

1 Kuntal Chowdhury presented 3GPP2-P00-20010409-017, DNS server IP address configuration in IS-835. This
 2 contribution proposes a mechanism to communicate the DNS server IP address to a mobile terminal. The basic concept of
 3 this contribution was accepted with modification to allow manual configuration.

4 JunHyuk Song presented 3GPP2-P00-20010409-019, MN-HA authentication clarification. This contribution was for
 5 discussion only and carried over to the next meeting.

6 Bryan Cook presented 3GPP2-P00-20010409-035, "Always On" and PPP Inactivity Timers for Simple IP. It was indicated
 7 that inactivity timer of RFC2138 can be used for this capability, and the client need to implement it. The TSG agreed on
 8 the need of this capability.

9 **13. P.S0001-B Outline**

10 Tom Hiller presented 3GPP2-P00-20010409-025, P.S0001-B Outline. The outline was modified to cover all the C3 work
 11 items.

12 **B. All IP**

13 Ernie Tacsik presented 3GPP2-P00-20010409-029, IPv6 Motivation in 3GPP2, at the Ipv6 JEDI meeting.

14 Mamoru Higuchi presented 3GPP2-P00-20010409-016, TSG-P Working Document for 3GPP2 All-IP Work Plan. The
 15 workplan was reviewed and modified as shown in R1 version. The Chair will send the workplan to All IP AHG.

16 **9. New Business**

17 Phil Brown presented 3GPP2-P00-20010409-023, CDMA Advanced Multimedia Services, and 3GPP2-P00-20010409-024,
 18 CAMS Recommendation. The TSG decided to support the proposed concept for better project coordination.
 19

20 **10. Workplan Review**

21 The Chair presented 3GPP2-P00-20010409-004, TSG-P Work Items and Action Items. Work items and action items were
 22 updated as shown in the R1 version.

23 The Chair also presented 3GPP2-P00-20010409-020, TSG-P Terms of Reference, which was accepted as presented. The
 24 updated terms of reference will be presented at the upcoming SC meeting.

25 The workplan for Release C is as follows:

- 26 • Contributions: June, 2001
- 27 • Baseline: July, 2001
- 28 • V&V: September, 2001

29 **11. Review Assignments**

30 The assignments from the meeting were reviewed and shown in 3GPP2-P00-20010409-004R1, TSG-P Work Items and
 31 Action Items.

32 **12. Future Meeting Schedule**

33 *Year 2001 Schedule*

Week	Location
May 7 – 11, 2001	Beijing
June 11 – 15, 2001	Vancouver
July 9 - 13, 2001	Montreal
August 13 – 17, 2001	Calgary
September 17 – 21, 2001	Japan
October 15 - 19, 2001	Korea
November 5 - 9, 2001	Tucson
December 3 – 7, 2001	Maui

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35 The Chair presented 3GPP2-P00-20010409-021, 2002 Master Calendar and the TSG updated the schedule as shown below:

1

DATE	LOCATION
January 7-11	Vancouver
February 4-8	San Diego
March 11-15	Japan
April 15-19	San Francisco
May 13-17	Cancun
June 10-14	China
July 8-12	Quebec City
August 5-9	Alaska
September 9-13	Korea
October 21-25	Seattle
December 2-6	Hawaii

2 **13. Open Discussion**

3 There was no open discussion.

4 **14. Adjournment**

5 The meeting was adjourned at 3:05 PM local time on April 12, 2001.