1   **3GPP2 TSG-P**
2   **Wireless Packet Data Networking**
3

4   <u>**TITLE:**</u>

5   TSG-P Meeting Summary, Meeting #26
6

7   <u>**SOURCE:**</u>

Chair, 3GPP2 TSG-P

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

Haeng S. Koo
(972)761-7755
hskoo@sta.samsung.com

8   <u>**ABSTRACT:**</u>

9   This document contains the summary of the TSG-P meeting, which was held on June 11 - 15, 2001 in
10   Vancouver, Canada.
11

12 <u>**RECOMMENDATION:**</u>

13   Review for accuracy and amend as needed.
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30

31

32 **Notice**

41

1 **Wireless Packet Data Networking**
2 **Meeting Report, Meeting #26**
3
4

Date:	June 11 - 15, 2001
Location:	The Fairmont Hotel Vancouver
	900 W. Georgia Street
	Vancouver, BC V6C 2W6
Chair:	Haeng S. Koo, Samsung Electronics
Phone:	972.761.7755
E-mail:	hskoo@sta.samsung.com

5

6 Quorum Members, Attendees, and Attendance Status
7

Organization	Attendee of this meeting	Last 4 Meetings Attended
Alcatel USA	Tom Tansil	#24 #26
Certicom Corp	Dorothy Gellert	#24 #26
Cisco	Glen Zorn	#24 #25 #26
CommWorks	Ed Campbell	#24 #25 #26
Ericsson	Lila Madour	#24 #25 #26
Fujitsu	Mamoru Higuchi	#24 #25 #26
Hitachi	Norihisa Matsumoto	#24 #26
Hyundai Electronics		#24 #25
KDDI	Takuo Seki	#25 #26
LG Electronics	Ki-Young Kim	#24 #25 #26
Lucent Technologies	Tom Hiller	#24 #25 #26
Motorola	Wayne Bowen	#24 #25 #26
NEC		#24
Nokia	Thin Nguyenphu	#24 #25 #26
Nortel Networks	Mini Vasudevan	#24 #25 #26
Qualcomm Inc.	Raymond Hsu	#24 #25 #26
Qwest Communications	Jim Gately	#24 #25 #26
Samsung Electronics	Haeng S. Koo	#24 #25 #26
SK Telecom	Dongkie Lee	#25 #26
Sprint PCS	Iris Zeng	#24 #25 #26
Starent Networks		#24 #25
Sun Microsystems		#24
Tantivy Communications	Howard Heller	#24 #26
Verizon Wireless		#24
Winphoria Networks		#24

8 **Others Present**
9

Organization	Attendee
Cambia Networks	Karl Freter
Cisco Systems	Parviz Yegani
Ericsson	Henrik Basilier
ETRI	HyunGon Kim
ETRI	SangKeun Yoo
France Telecom	Helen Chang
LG Electronics, Ltd.	Byung-Keun Lim
LG TeleCom	Minseok Oh
Lucent Technologies	Mike McPheters
Lucent Technologies	Frank Alfano

Motorola	Anda Farcasanu
Nextel	David Martin
Nextel	M. Hassan Patrovi
Nokia	Ernie Tacsik
Samsung Electronics	Junhyuk Song
WaterCove Networks	Ellis Wong
WaterCove Networks	Yingchun Xu

1

1. Call To Order and Opening Remarks

3 The meeting was called to order at 9:00 AM on June 11, 2001 at The Fairmont Hotel Vancouver in Vancouver, Canada.

2. Attendance Registration

5 The names and organizations of the present are reflected above. The quorum list stood at 25 member companies. With 19
6 member companies present, a quorum was declared.

3. Review and Adoption of Agenda

8 The Chair introduced 3GPP2-P00-20010611-001 as the proposed agenda, which was accepted as presented.

4. Contributions Assignment to Agenda Items

10 The following 40 contributions were submitted, numbered and assigned to the agenda:
11

Number	Title	Source	Agenda Item
3GPP2-P00-20010611-001	Proposed Agenda	Haeng Koo, Chair, Samsung	3
3GPP2-P00-20010611-002	Meeting Summary, Meeting #25	Haeng Koo, Chair, Samsung	5
3GPP2-P00-20010611-003	Correspondences	Haeng Koo, Chair, Samsung	6
3GPP2-P00-20010611-004	TSG-P Work Items and Action Items	Haeng Koo, Chair, Samsung	10,11
3GPP2-P00-20010611-005	PR-0004 Header compression for Voice-over-IP in CDMA2000 Rev. 0.2	Lila Madour, Ericsson	8A3
3GPP2-P00-20010611-006	Single PPP over Multiple Service Instances	Raymond Hsu, QUALCOMM	8A1
3GPP2-P00-20010611-007	Service Instances	Raymond Hsu, QUALCOMM	8A1
3GPP2-P00-20010611-008	Multiple IP Addresses in the Mobile Station	Raymond Hsu, QUALCOMM	8A1
3GPP2-P00-20010611-009	Security Enhancements for C3	Tom Hiller, Pete McCann, Lucent	8A11
3GPP2-P00-20010611-010	QoS Packet Mapping and Flow Treatment	Frank Alfano, Tom Hiller, Pete McCann, Lucent	8A1
3GPP2-P00-20010611-011	Use of MCFTP for Header Stripping and Generation	Tom Hiller, Pete McCann, Lucent	8A3
3GPP2-P00-20010611-012	Differentiated Services and Static AAA Profiles	Frank Alfano, Tom Hiller, Pete McCann, Lucent	8A1
3GPP2-P00-20010611-013	Header Stripping and Generation Requirements and Proposals	Tom Hiller, Pete McCann, Lucent	8A3
3GPP2-P00-20010611-014	Proposed Text for IP Reachability Service	Dongkie Lee, SK Telecom; Byung-Keun Lim, LG Electronics	8A9
3GPP2-P00-20010611-015	DNS server IP address auto configuration scheme in cdma2000 packet data standard	Kuntal Chowdhury, Nortel Networks	8A12
3GPP2-P00-20010611-016	Dynamic Home Agent allocation with RADIUS	Kuntal Chowdhury, Nortel Networks	8A5
3GPP2-P00-20010611-017	Conference Call Summary	Haeng Koo, Chair, Samsung	5
3GPP2-P00-20010611-018	Radius message supporting Push Enabler for IP-r1	Byung-Keun Lim, LG Electronics	8A9

3GPP2-P00-20010611-019	Text proposal for Push Enabler with IP	Byung-Keun Lim, LG Electronics	8A9
3GPP2-P00-20010611-020	A11, PDSN CALEA information and requirements	Brett Stark, Motorola	9A12
3GPP2-P00-20010611-021	PUSH Services Requirements	Thinh Nguyenphu , NOKIA	8A9
3GPP2-P00-20010611-022	All-IP Separation	Wayne Bowen, Motorola	8B
3GPP2-P00-20010611-023	TSG-P All-IP Framework	Wayne Bowen, Motorola	8B
3GPP2-P00-20010611-024	List of references describing operations of Header compression (end-to-end model)	Lila Madour, Ericsson	8A3
3GPP2-P00-20010611-025	Link-Layer Assisted ROHC Header Compression in CDMA 2000 Establishment and Operation Procedures Over Header Removal Pipeline Proposed Stage 2 Description	Ghyslain Pelletier, Lila Madour, Lars-Erik Jonsson, Ulises-Olvera Hernandez, Ericsson	8A3
3GPP2-P00-20010611-026	P.R0002 QoS report Concepts, architecture and mechanisms	Lila Madour, Ericsson	8A1
3GPP2-P00-20010611-027	Traffic flow template	Lila Madour, Ericsson	8A1
3GPP2-P00-20010611-028	QoS Open issues	Lila Madour, Ericsson	8A1
3GPP2-P00-20010611-029	Interoperability issue between Radius and Diameter for Mobile IP access with FA challenge extension	Lila Madour, Ericsson	8A6
3GPP2-P00-20010611-030	Proposed Text for Push Enabler for IP Service	Dongkie Lee , Sung Kim , SK Telecom	8A9
3GPP2-P00-20010611-031	Some Example Scenarios about SKT's Always-On Requirement	Dongkie Lee , Sung Kim , SK Telecom	8A12
3GPP2-P00-20010611-032	Dynamic HA allocation issue	Iris Zeng, Sprint PCS	8A12
3GPP2-P00-20010611-033	Core Transport Resource Manager and Core Policy Manager	Frank Alfano, Mike Dolan, Lucent	8B
3GPP2-P00-20010611-034	Multiclass Multilink PPP for QoS transport between MN and PDSN	Manjari Asawa, Jerry Miernik, Parviz Yegani, Cisco Systems	8A1
3GPP2-P00-20010611-035	P.R0005, Wireless IPv6 Network Services for Mobile Station	Byung-Keun Lim, LG Electronics	8A7
3GPP2-P00-20010611-036	PUSH Services delivery mechanism comparison: "Always-on" vs. Network Requested PPP Activation (NRPA)	Thinh Nguyenphu, Nokia	8A9
3GPP2-P00-20010611-037	Lucent Security Enhancement Comment	JunHyuk Song, ChaeYong Chong, Samsung	8A11
3GPP2-P00-20010611-038	MN-HA Authentication Shared Secret Enhancement	JunHyuk Song, ChaeYong Chong, Samsung	8A11
3GPP2-P00-20010611-039	IP-Reachability Services	Raymond Hsu, Vice Chair, QUALCOMM	8A9
3GPP2-P00-20010611-040	Proposed Text for Comments to Broadcast/Multicast Stage 1 Document	David Martin, Nextel	8A4
3GPP2-P00-20010531-002	Oak Brook Discussion	Ericsson, Comworks, Lucent, Qualcomm, Nortel, SPCS, Nextel, Nokia, Nortel	8A3

1

5. Review of Meeting Reports

The Chair introduced 3GPP2-P00-20010611-002, Meeting Summary, Meeting #25, and the contribution was accepted with modification in attendance status as shown in R1. The Chair also presented 3GPP2-P00-20010611-017, Conference Call Summary, which was accepted as presented.

6. Correspondence

The Chair presented the following correspondences using the files under Correspondences folder:

- To George Turnipseed, TSG-A Chair regarding Fast handoff schedule and Accounting record questions => For information only;
- From Mark Lipford, All IP AHG Chair, regarding Adding Architectural Principals to the NAM => Concurrence, no action.
- From Richard Robinson, TSG-S Chair, regarding Realm Configured-Packet Data Session Inactivity Timer (RC-PDIT) Stage 1 => The attached Stage 1 document was reviewed and comments will be sent as requested.

7. Reports

Ernie Tacsik made a report on the IETF Mobile IPv6 standard activity. Frank Alfano, Lila Madour and Ernie Tacsik made a report on the All IP JEDI meetings on QoS, Call Flow and Transcoder. Henrik Basilier made a report on the All IP activities.

8. Old Business

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

1. QoS

Lila Madour presented 3GPP2-P00-20010611-026, P.R0002 QoS report Concepts, architecture and mechanisms, which was accepted as presented.

Raymond Hsu presented 3GPP2-P00-20010611-006, Single PPP over Multiple Service Instances. This contribution recommends a single PPP over multiple service instances. This contribution was accepted with minor modification. Contributions to discuss handoff and other call scenarios are expected in the future.

Raymond Hsu presented 3GPP2-P00-20010611-008, Multiple IP Addresses in the Mobile Station. This contribution recommends the "network-model" approach to support multiple IP addressing in the MS. Although this is a preferred approach, this contribution was kept open to fill in the open issues (MT's functional requirements to support TEs, backward compatibility, support of private addressing, carrier input on multiple IP addressing).

Raymond Hsu presented 3GPP2-P00-20010611-007, Service Instances. This contribution addresses the open issues on service instances in the QoS Report P.R0002. This contribution was accepted with modifications as documented in Rev. 0.6 of P.R0002.

Tom Hiller presented 3GPP2-P00-20010611-005, QoS Mapping and Flow Treatment. This contribution proposes mechanisms called MCFTP for support of the mapping of packets in a multiple service instance environment and control of flow treatment. This contribution was left open for discussion at the June 27 conference call on QoS Mapping.

Lila Madour presented 3GPP2-P00-20010611-027, Traffic flow template for information only.

Tom Hiller presented 3GPP2-P00-20010611-012, Differentiated Services and Static AAA Profiles. This contribution proposes text changes for Differentiated Services based on static AAA profiles. This contribution was kept open to address the comments.

Lila Madour presented 3GPP2-P00-20010611-028, QoS Open issues, which was updated and accepted as shown in R3.

Parviz Yegani presented 3GPP2-P00-20010611-034, Multiclass Multilink PPP for QoS transport between MN and PDSN, which explores use of multiclass multilink PPP for QoS enabled bearer transport mechanism. This contribution was not accepted.

1 The TSG decided to have a conference call 4:30 PM (Central Time) on June 27 to resolve the issues on QoS Mapping.
2 This is the last opportunity to bring in a new proposal on QoS Mapping for C3.

2. Fast Handoff

4 There was no contribution on this work item.

3. Header Compression

6 Tom Hiller presented 3GPP2-P00-20010531-002, Oak Brook Discussion. This contribution is the result of Oak Brook
7 discussion on May 29, which was adopted at the May 31 conference call. The TSG formally accepted the conclusion of
8 this contribution that Models 2 and 4 go forward their independent paths.

9 Lila Madour presented 3GPP2-P00-20010611-005, PR-0004 Header compression for Voice-over-IP in CDMA2000 Rev.
10 0.2, which was accepted as a new baseline. Model 4 needs to be incorporated into this report.

11 Tom Hiller presented 3GPP2-P00-20010611-011, Use of MCFTP for Header Stripping and Generation. This contribution
12 proposes text for the use of MCFTP for header stripping and generation. This contribution was deferred for offline
13 discussion.

14 Lila Madour presented 3GPP2-P00-20010611-024, List of references describing operations of Header compression (end-to-
15 end model). This contribution is for information only.

16 Tom Hiller presented 3GPP2-P00-20010611-013, Header Stripping and Generation Requirements and Proposals. This
17 contribution was accepted with modification to specify Model 4 only in Section 3.1.

18 Lila Madour presented 3GPP2-P00-20010611-025, Link-Layer Assisted ROHC Header Compression in CDMA 2000
19 Establishment and Operation Procedures Over Header Removal Pipeline Proposed Stage 2 Description. This contribution
20 was accepted, and it will be incorporated into the report.

4. Broadcast/Multicast

22 The TSG reviewed Broadcast/Multicast Stage 1 document and came up with the comments as shown in 3GPP2-P00-
23 20010611-040, Proposed Text for Comments to Broadcast/Multicast Stage 1 Document, by David Martin. The Chair will
24 send the correspondence based on this contribution.

5.   Mobile IP Enhancements

26 Mini Vasudevan presented 3GPP2-P00-20010611-016, Dynamic Home Agent allocation with RADIUS. This contribution
27 was left open for update with comments received during discussion.

6. AAA V2 Impacts

29 Lila Madour presented 3GPP2-P00-20010611-029, Interoperability issue between Radius and Diameter for Mobile IP
30 access with FA challenge extension. This contribution was accepted as presented.

7. IPv6

32 Byung-Keun Lim presented 3GPP2-P00-20010611-035, P.R0005, Wireless IPv6 Network Services for Mobile Station.
33 This contribution proposes a new outline and some of the contents for the Ipv6 framework document. The editor, Ernie
34 Tacsik, will incorporate this document into the framework and coordinate a subgroup discussion on the framework. The
35 result will be submitted at the next meeting.

8. Accounting Enhancements

37 There was no contribution on this work item.

9. Push Enabler for IP

Thinh Nguyenphu presented 3GPP2-P00-20010611-021, PUSH Services Requirements, and 3GPP2-P00-20010611-036, PUSH Services delivery mechanism comparison: "Always-on" vs. Network Requested PPP Activation (NRPA). These contributions are for information only. It was suggested that these contributions be submitted to TSG-S for Stage 1 requirements.

The TSG changed the name of the work item to IP Reachability Service (IRS) to accurately reflect what TSG-P is doing for this work item. The TSG also came up with the requirements documented in 3GPP2-P00-20010611-039, IP Reachability Services, by Raymond Hsu.

Dongkie Lee presented 3GPP2-P00-20010611-014, Proposed Text for IP Reachability Service. This is a combined contribution from 3GPP2-P00-20010611-018 and 3GPP2-P00-20010611-030. This contribution was accepted as presented. Additional contribution is expected for AAA functional requirements (e.g., create a new attribute to trigger sending message to DSN server or maintain state information).

10. Realm Configured Packet Data Session Inactivity Timer

The TSG reviewed Realm Configured Packet Data Session Inactivity Timer Stage 1 document and came up with the following comments:

- In Section 5.1.1.1, "local network" is more appropriate than AAAL for this stage 1 document.
- Section 6 describes high level design, so it should be removed from this stage 1 document.

The Chair will send the correspondence to TSG-S Chair.

11.   Packet Data Security

Tom Hiller presented 3GPP2-P00-20010611-009, Security Enhancements for C3. This contribution proposes a text in support of Verizons' security requests. This contribution was left open.

JunHyuk Song presented 3GPP2-P00-20010611-037, Lucent Security Enhancement Comment for discussion only.

JunHyuk Song presented 3GPP2-P00-20010611-038, MN-HA Authentication Shared Secret Enhancement. This contribution enhances the MN-HA shared secret distribution by dynamically generating MN-HA authentication shared key in MN and AAAH. This contribution was accepted as presented.

12. Other Release C Work Items

Mini Vasudevan presented 3GPP2-P00-20010611-016, DNS server IP address auto configuration scheme in cdma2000 packet data standard. This contribution was left open to incorporate comments and open issue (how to obtain multiple DNS server addresses in the MS).

Dongkie Lee presented 3GPP2-P00-20010611-031, Some Example Scenarios about SKT's Always-On Requirement. It was suggested that this contribution be submitted to TSG-S.

Iris Zeng presented 3GPP2-P00-20010611-032, Dynamic HA allocation issue. This contribution requests 3GPP2-P00-20010611-016 to be accepted in the baseline. Given the number of comments, the TSG decided to keep it open.

Anda Farcasanu presented 3GPP2-P00-20010611-020, A11, PDSN CALEA information and requirements, for discussion only.

B. All IP

Frank Alfano presented 3GPP2-P00-20010611-033, Core Transport Resource Manager and Core Policy Manager. This contribution proposes renaming of Core QoS Manager with Core Transport Resource Manager and addition of Core Policy Manager. The TSG made a recommendation to leave core transport resource to traffic engineering and replace Core QoS Manager with Core Policy Manager. The authors will bring the comments to All IP AHG.

Wayne Bowen presented 3GPP2-P00-20010611-022, All-IP Separation. This contribution proposes a separate All IP framework document. The contribution was accepted as presented.

Wayne Bowen also presented 3GPP2-P00-20010611-023, TSG-P All-IP Framework, for information only.

1 **9. New Business**

2 There was no new business.

3 **10. Workplan Review**

4 The Chair presented 3GPP2-P00-20010611-004, TSG-P Work Items and Action Items. Work items and action items were
5 updated as shown in the R1 version.

6 The workplan for Release C is as follows:
7 • Contributions: June, 2001
8 • Baseline: July, 2001
9 • V&V: September, 2001

10 **11. Review Assignments**

11 The assignments from the meeting were reviewed and shown in 3GPP2-P00-20010611-004R1, TSG-P Work Items and
12 Action Items.

13 **12. Future Meeting Schedule**

14 *Year 2001 Schedule*

Week	Location
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

15

16 *Year 2002 Schedule*

DATE	LOCATION
January 7 - 11, 2002	Vancouver
February 4 - 8, 2002	San Diego
March 11 - 15, 2002	Japan
April 15 - 19, 2002	San Francisco
May 13 - 17, 2002	Cancun
June 10 - 14, 2002	China
July 8 - 12, 2002	Quebec City
August 5 - 9, 2002	Alaska
September 9 - 13, 2002	Korea
October 21 - 25, 2002	Seattle
December 9 - 13, 2002	Hawaii

17 **13. Open Discussion**

18 Megan Snyder, 3GPP2 Publication Coordinator, introduced the Publication Coordinator's Completed, Current, and Future
19 Projects.

20 Mamoru Higuchi proposed a release of a 3GPP2 document corresponding to IS-835-AD1. The TSG accepted the proposal.
21 He volunteered to bring a contribution for this document at the next meeting.

22 **14. Adjournment**

23 The meeting was adjourned at 8:00 PM local time on June 14, 2001.