

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

4 **TITLE:** _____

5 TSG-P Meeting Summary, Meeting #9
6

7 **SOURCE:** _____

Chair, 3GPP2 TSG-P



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8 **ABSTRACT:** _____

9 This document contains the summary of the ninth TSG-P meeting, which was held November 1 - 4, 1999 in
10 Seoul, Korea.
11

12 **RECOMMENDATION:** _____

13 Review for accuracy and amend as needed.
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**3GPP2 TSG-P
Wireless Packet Data Networking
Meeting Report, Meeting #9**

Location: Hotel Shilla, Seoul, Korea
 Chair: Haeng S. Koo, Samsung Electronics
 Phone/Fax: 972.761.7755/972.761.7701
 E-mail: hskoo@sta.samsung.com

Quorum Members, Attendees, and Attendance Status

Organization	Attendee	Last 4 Meetings Attended	Quorum Member
3Com	Ed Campbell	#6 #7 #8 #9	Yes
Alcatel	Xing Chen	#7 #8	Yes
Ameritech Cellular	Pat Walsh	#7 #8	Yes
CISCO	Allen Long	#7 #8 #9	Yes
DDI	Takahiro Ayaki	#6 #8	Yes
Ericsson	Sanjeevan Sivalingham	#6 #7 #8 #9	Yes
Fujitsu	Alan Hameed	#6 #7 #8	Yes
GTE	Mark Munson	#6 #7 #8	Yes
Hyundai Electronics	Hyung Man Ahn	#6 #7 #9	Yes
IDO	Takuo Seki	#6 #7	Yes
KDD	Akira Idoue	#6 #9	Yes
LGIC	Yoon Taek Jung	#6 #7 #8 #9	Yes
Lucent Technologies	Tom Hiller	#6 #7 #8 #9	Yes
Motorola	Brent Hirschman	#6 #7 #8 #9	Yes
Nortel Networks	Serge Manning	#6 #7 #8 #9	Yes
Qualcomm Inc.	Raymond Hsu	#6 #7 #8 #9	Yes
Samsung Electronics	Haeng S. Koo	#6 #7 #8 #9	Yes
Sprint PCS	Frederic Leroudiar	#6	No
Toshiba	Yoshiyaki Tsuda	#6 #7 #8 #9	Yes
TTC	Hajime Shiino	#6 #7 #8 #9	Yes
Vodafone Airtouch	Eric Jaques	#6 #8 #9	Yes

Others Present

Organization	Attendee
Compaq Computers	Nilesh Parikh
Hitachi	Tetsuhiko Hirata
Korea Telecom	Jemin Jung
LGIC	Hong Seok Lee
LGIC	Seung Joon Park
LGIC	Yeonsang Park
Samsung Electronics	Jae Hyuk Do
SK Telecom	Dong Kie Lee
SK Telecom	Hyae Kyeung Lee

1. Call To Order and Opening Remarks

1 The meeting was called to order at 10:30 AM on November 1, 1999 in Seoul, Korea.

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 20 member companies. With 14 member companies present, a quorum was declared.

3. Review and Adoption of Agenda

10 The Chair introduced 3GPP2-P00-19991101-001 as the proposed agenda. The agenda was adopted as is.

4. Contributions Assignment to Agenda Items

14 The following 15 contributions were submitted, numbered and assigned to the agenda:

Number	Title	Source	Agenda Item
3GPP2-P00-19991101-001	Proposed Agenda	Haeng Koo, Chair, Samsung	3
3GPP2-P00-19991101-002	Meeting Summary, Meeting #8	Haeng Koo, Chair, Samsung	5
3GPP2-P00-19991101-003	TSG-P Chicago Interim Meeting Summary	Haeng Koo, Chair, Samsung	5
3GPP2-P00-19991101-004	Outgoing Correspondences	Haeng Koo, Chair, Samsung	6
3GPP2-P00-19991101-005	IKE/PKI and Differentiated Services Edits for the TSG-P Standard	Tom Hiller, Lucent	8A
3GPP2-P00-19991101-006	TSG-P Standard Baseline with IKE and RADIUS	Tom Hiller, Lucent	8A
3GPP2-P00-19991101-007	Proposed Text for the Foreign Agent Challenge (FAC)	Raymond Hsu, Qualcomm Gopal Dommety, CISCO	8A
3GPP2-P00-19991101-008	Edits for TSG-P Standard	Raymond Hsu, Qualcomm	8A
3GPP2-P00-19991101-009	Proposed Text for Packet Data Accounting Standard	Serge Manning, Nortel	8A
3GPP2-P00-19991101-010	Comments on IKE/ISAKMP Payloads in Contribution P00-19991019-007	Marcus Leech and Serge Manning, Nortel	8A
3GPP2-P00-19991101-011	Responses to TSG-N QoS Questions	Brent Hirschman, Motorola	8A
3GPP2-P00-19991101-012	Incorporate Packet Data Issues to Stage 1 TSG-S Document	Brent Hirschman, Motorola	8A
3GPP2-P00-19991101-013	TSG-P Standard Baseline with IKE and RADIUS	Gopal Dommety, Allen Long, Cisco	8A
3GPP2-P00-19991101-014	Proposed Text for the TSG-P Standard	Raymond Hsu, Qualcomm	8A
3GPP2-P00-19991101-015	Proposed Text for the TSG-P Standard	Yoshiyuki Tsuda, Toshiba	8A

5. Review of Meeting Reports

19 The Chair introduced "3GPP2-P00-19991101-002, Meeting Summary, Meeting #8" and "3GPP2-P00-19991101-003, TSG-P
20 Chicago Interim Meeting Summary." Both contributions were reviewed by the TSG and approved with minor edits.

6. Correspondence

23 The Chair presented the following outgoing correspondences for information only purpose:

- To Robert Ephraim, TSG-N Chair, Re: TIA/EIA Support for Packet Data,
- To Robert Ephraim, TSG-N Chair, Re: Inter-TSG Coordination on QoS, and
- To Hideo Okinaka, TSG-S Chair, Re: Name of the R-P Interface on the NRM and Packet OA&M Requirements.

7. Reports

There was no report.

8. Old Business

A. 3G Packet Data Technical Standard

Tom Hiller presented Contribution GPP2-P00-19991101-006, TSG-P Standard Baseline, which incorporated changes up to the Chicago meeting. Changes made to the QoS sections at the Chicago meeting were found missing and pulled back at the meeting.

Raymond Hsu presented 3GPP2-P00-19991101-008, Edits for the TSG-P Standard, which was accepted as presented.

Raymond Hsu also presented 3GPP2-P00-19991101-007, Proposed Text for the Foreign Agent Challenge (FAC). This contribution proposes text for the FAC, specifically the mappings from the MIP RRQ extensions to the RADIUS Access-Request. The contribution was accepted with minor modification.

Serge Manning presented 3GPP2-P00-19991101-009, Proposed Text for Packet Data Accounting Section of Standard. This contribution proposes text that incorporates the concepts of P00-19990919-005 as well as additional comments from the Chicago meeting. The contribution was accepted with minor editorial changes.

Brent Hirschman presented 3GPP2-P00-19991101-012, Incorporate Packet Data Issues into Network Management Stage 1 TSG-S Document. The contribution was accepted as presented. Brent will send the proposed changes to the Stage 1 document editor as acceptable to TSG-P.

Brent Hirschman also presented 3GPP2-P00-19991101-011, Response to TSG-N QoS Questions. Serge volunteered himself to prepare short answers to the questions. Brent and Serge will prepare Overview of CDMA 3G Packet Data and make a presentation at the joint TSG-A/C/P meeting to be held on November 9, 1999. They will post the presentation to the TSG-P ftp site.

Allen Long presented Contribution 3GPP2-P00-19991101-013, TSG-P Standard Baseline with IKE and RADIUS. Some of the technical and editorial comments were accepted selectively. The TSG decided it would not consider a new tunneling type other than Mobile IP tunnels, but did agree that it would consider the key distribution solution in the context of Mobile IP: the HA-FA key and the pre-shared key for IKE. Cisco will bring contribution for the key distribution as a DDR.

Tom Hiller presented Contribution GPP2-P00-19991101-005, IKE/PKI and Differentiated Services Edits for the TSG-P Standard. Proposed changes for IKE/PKI were accepted with modifications, however, the changes for the Differentiated Services were not accepted.

The TSG discovered that the following three requirements must be met to provide Differentiated Services:

- Differentiated Services bits must be defined for the R-P interface (TSG-A),
- Multiple PPP frames with different QoS levels over the same GRE tunnel must be handled properly depending on their QoS levels (TSG-A), and
- GRE sequence bit from the RN to the PDSN must be turned on or off based on PPP compression (TSG-P).

Motorola and/or 3Com will propose solutions for the above items to the corresponding TSGs as DDRs. If the TSG-A provides the above two items, TSG-P will provide Differentiated Services in Release 1 as previously agreed. Otherwise, it will be deferred to the future release.

Serge Manning presented 3GPP2-P00-19991101-010, Comments on IKE/ISAKMP Payloads in Contribution P00-19991019-007, which was accepted as presented.

1 Raymond Hsu presented 3GPP2-P00-19991101-014, Proposed Text for the TSG-P Standard. This contribution addresses
 2 advertised registration lifetime from the PDSN and the scenario when the PDSN receives Mobile IPv4 configuration option.
 3 The contribution was accepted with minor modification.

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 5 Yoshiyuki Tsuda presented 3GPP2-P00-19991101-0015, Proposed Text for the TSG-P Standard. This is another contribution
 6 addressing advertised registration lifetime from the PDSN. The first proposal regarding the PPP inactivity timer was
 7 accepted. The second proposal regarding ignoring the advertisement lifetime in the ICMP router advertisement portion of
 8 the Mobile IP agent advertisement packet remained as an open issue until Serge verifies it with Nortel.

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 10 The file [ftp.3gpp2.org/tsgp/working/19991101-Seoul/P00-19991101-006R3](ftp:3gpp2.org/tsgp/working/19991101-Seoul/P00-19991101-006R3) contains the standard document which includes all
 11 the contributions and changes made at the meeting.

12 **B. VOIP**

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 14 None.

15 **9. New Business**

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 17 None.

18 **10. Workplan Review**

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 20 The workplan for the Release 1 3G packet data technical standard is as follows:

- 21 ● Contributions: April – August, 1999
- 22 ● Baseline: September, 1999
- 23 ● V&V: November 1-5, 1999
- 24 ● V&V Resolution: December 6-10, 1999
- 25 ● Deliver to SC: December 13, 1999

26
 27 The workplan to develop specification for AAA is as follows:

- 28 ● Contributions: December, 1999 – February, 2000
- 29 ● Baseline: April, 2000
- 30 ● V&V: June, 2000

31
 32 Please note that Baseline date for AAA specification has been changed from March to April, 2000. Additional work items
 33 will be addressed, as they become available.

34 **11. Review Assignments**

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 36 The assignments from the meeting were reviewed.

37 **12. Future Meeting Schedule**

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 39 The following table shows the future 1999 and 2000 meeting schedule:

Date	Location	Co-located with
December 6 – 10, 1999	Kauai, HI	TSG-C
January 17 – 21, 2000	North Palm Beach, FL	
February 14 – 18, 2000	San Diego, CA	All TSGs
March 13 – 17, 2000	San Antonio, TX	TSG-N
April 24 – 28, 2000	Seattle, WA	TSG-C
June 12 – 16, 2000	Vancouver, BC	All TSGs

July 10 – 14, 2000	Montreal, Quebec	TSG-N
August 21 – 25, 2000	San Francisco, CA	TSG-N,S
September 18 – 22, 2000	Korea	TSG-C,S
October 23 – 27, 2000	Japan	All TSGs
December 4 – 8, 2000	Maui, HI	TSG-C,S

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13. Open Discussion

None.

14. Adjournment

The meeting was adjourned at 10:30 AM on November 4, 1999.