

1.

, QoS , 3GPP 1 3GPP가 pre-paid 2 CAMEL LCS 3GPP가 upgrade

2.

II. IMT2000

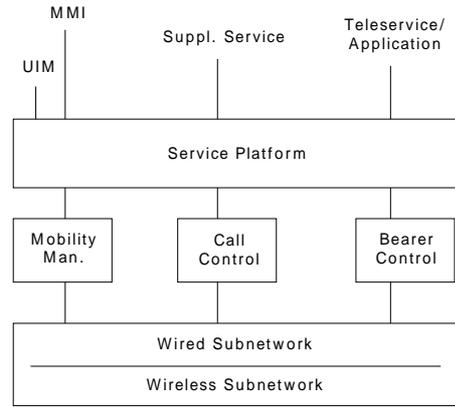
3GPP 가

1.

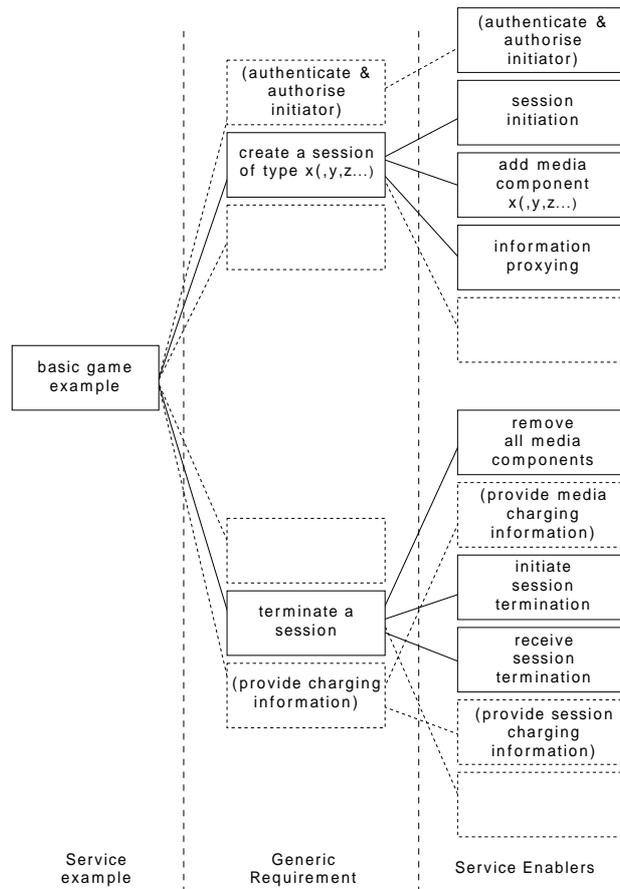
2.1.

3GPP 가 1 3GPP 가/ interactive IM end to end 가 GPRS IP 가 가 가 GPRS IP 가 / 가 가 SMS, USSD, UUS IP IP 가 가 가

가 . 가
 가 가
 TV 가
 . 가 가
 가 가
 .
 •
 - H.324M 3GPP
 - , ISDN, PSTN 가
 - /
 - 가
 -
 - 가
 • IP
 IP 가
 IP 가 IP
 .
 -IP SIP
 - , IM , ISDN, PSTN
 가
 -SIP URL
 -IP
 가
 •
 - 가
 - , SMS,
 , ,
 - streamed download
 streamed upload
 •
 -Global Text Telephony(GTT)
 가 IP
 .
 - 가
 -
 - 가
 - / /
 set /



2.
 -GTT
 가
 •
 - /
 - 가
 - QoS
 2.2.
 3GPP ,
 .
 III. IMT2000
 2
 가 .
 가
 . , ,
 , 가 QoS
 .
 가 가
 ,
 가 / /
 /



3.

IV. IP

IETF

IP

IP

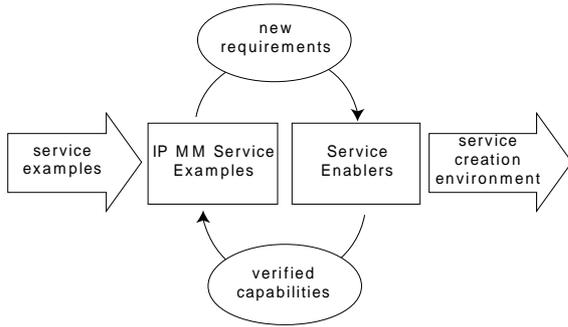
가

3

가

가

가



4.

-
-
- authorization/deauthorization
- registration/deregistration
- activation/deactivation
- provisioning
- , ,
-
-
-

가

, 4

1.

IMS IMS/GSM/PSTN / 가

•

2.

가

•

•

가

, ,

-

-

-

-

-

•SA2

3.

가

instant

•SA2

4.

가

가

가

가

•

V. IP

IP

IMS

5.

•

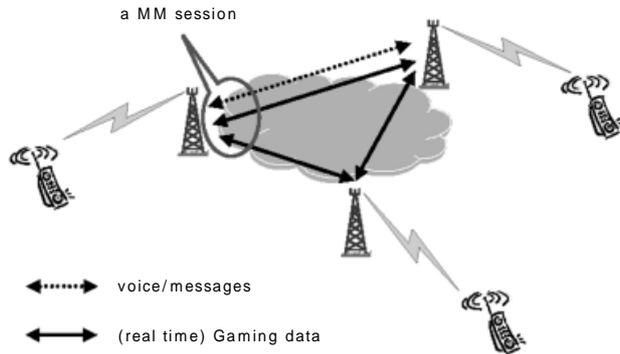
•

•

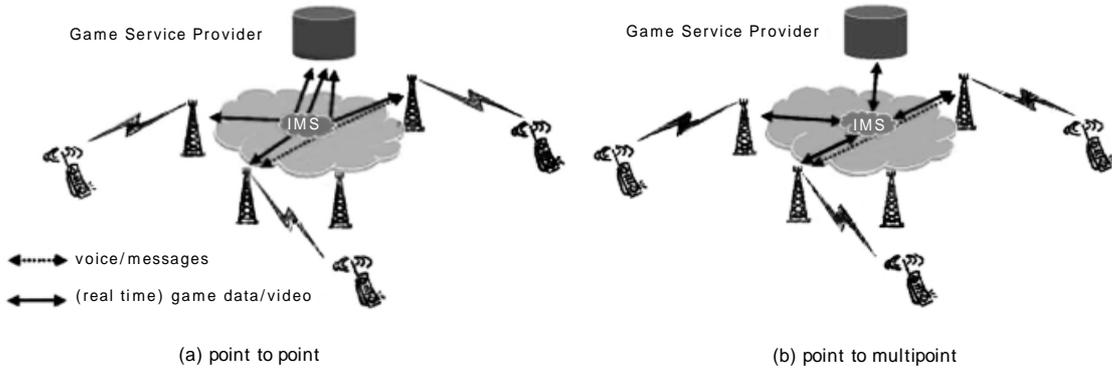
•IMS

•

가



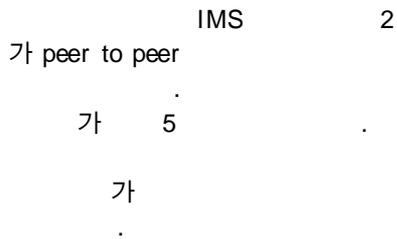
5.



6.

6. peer to peer

(b) IMS

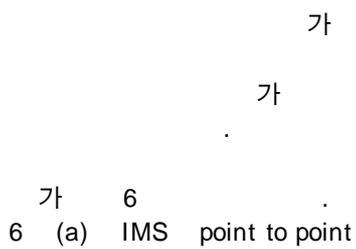


point to multipoint

8. 가

7.

9.



audio , , audio , SMS, email, web

10. Local

local number
 local number
 local number가
 , presence , instant
 , E-commerce
 M-commerce , ,
 .

- [10] 3GPP TR 23.972, Circuit Switched Multimedia Telephony
- [11] 3GPP TS 22.140, Multimedia messaging service; Stage 1
- [12] 3GPP TS 22.226, Global Text Telephony; Stage 1
- [13] 3GPP TS 22.IM, IP multimedia (IM) CN subsystem; stage 1
- [14] 3GPP TS 26.233, Packet Switched Streaming Service (PSS); General Description

VI.

IMT2000
 IMT2000
 가 가
 IP 가 IP
 가
 . 3GPP
 IP , IP
 .

[]

- [1] 3GPP TSG SA, TS 22.101, Service Principles
- [2] 3GPP TSG SA, TR 22.941, IP Based Multimedia Services Framework; Stage 0
- [3] 3GPP TSG SA TS22.121, The Virtual Home Environment
- [4] 3GPP TR 22.928, IP-based multimedia services examples
- [5] 3GPP TS 22.228, IP Multimedia Subsystem; Stage 1
- [6] 3GPP TS 23.228, IP Multimedia Subsystem; Stage 2
- [7] 3GPP TS 22.105, Services and Service Capabilities
- [8] 3GPP TS 22.002, Circuit Bearer Services (BS) supported by a Public Land Mobile Network(PLMN)
- [9] 3GPP TS 22.060, General Packet Radio Service (GPRS)



(Dong-Ho Cho)

1979.2 :

1981.2 :

1985.2 :

1985.2 1987.2 :

1987.3 1998 :

1989.9 1995.8 :

1998.2 :

, OSIA

E - mail : dhcho@ee.kaist.ac.kr

Tel : + 82-42-869-3467

Fax : + 82-42-867-0550