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(24)2003 10 17
10-0396643
2003 08 21(21) 10-1998-0037253
(22) 1998 09 07(65)
(43)2000-0019261
2000 04 06

(73)

20 LG

(72)

711 1801

(74)

:

(54)

, 가 ,

(MIP)
가

(UIP)

(SIP)

(SIP)

(MIP)

(IMSI)

(MS

C)

가

(UIP)

.

2

1
2

*

*

400,410 : (Radio Network Control)
500 : (MSC) 510 : (Packet Router)
600 : (PDGN)

가 ,

G3

(IW

F) (MSC) ,

가

1

1 , 가 가 (IWF)(60)

(MSC)(50) , , 가 (IWF)(60)

(11,21) (10,20)

(11,21)

(11,21) (30,31) (40,41) (50)

(50)

(11,21) (60)

(60)

가

가

가 가

(Mobil

e Internet Protocol Service) 가

(Internet Service Provider)

가

(IP)

(SIP) (MIP) (UIP)

(S

IP) (MIP) (MSC) (UIP)

(IMSI)

가

가

, (MIP), (MIP), (MIP)

, (On), (MIP)

, .

2 .

2 , (300,310)

(120,220), (120,220)

(110,210), (120,220), (110,210),

/ (PPDN)(700)

(Packet Data Gateway Node ; , PDGN)(600) - - (Peer-to-P

eer Serial Communication Protocol)(Mobile Station)(100

,200)

, (120,220) (300,310), (120,220)

, (100,200), (Co

re Network)

가 , (

Terminal Node Identifier) (Radio Network Controller ; , RNC)(400,410

) (100,200) (Packet Data Terminal Identifier

; , PDTI) (International Mobile Station Identifier ; , IMSI)

, (100,200) (Mobile Internet Protocol ; , MIP)

(Unique Internet Protocol ; , UIP) 가

(Foreign Agent) (Terminal Node Identifier) , (100,200)

(, HLR)(530) , (100

,200) PDTI IMSI , MIP UIP 가 (PD

GN(600) (Home Agent) PDGN(600) (, VLR

)(520) , (100,200) RNC(400,410) PDGN(600) , HLR(530)

VLR(520) (100,200)

RNC(400,410) PDGN(600)

가 IMSI , PDGN(600)

PDGN(600) (MSC)(500) , RNC(400,410)

acknet Router)(510) (P

PPDN , -

- (Peer-to-Peer) , (FA), UIP (HA)

가

IMSI PDGN(600)

, PDGN(600) MIP가 MIP

UIP MIP (FA)

(Home Gateway Router) PDGN(600) UIP - - (Peer-to-

Peer Link Data)가 , MIP (HA)

(120,220)

(120,220) (Host Server) 가 (PPDN)(700)

(120,220) / 가 (Client)

가 (100,200) IMSI 가 (100,200)

(120,220) 가 (Simpl

e Internet Protocol ; , SIP) , MIP , UIP

(Default Access Option),

, (Active Open), (Dormant Open),
 Close) , (120,220)
 가 ,
 ,
 , (120,220)
 가 (300,310), (500) , (120,220)
 SIP () , (120,220)
 UIP () ,
 가 MIP MIP ()
) .
 PDGN(600) (120,220) (Default)
 , 가 ((1) (IP) (SIP, UIP, MIP), (2)
 (PDGN,IWF), (3) ()
 가)) (300,310) , (30
 0,310) (500) , ()
) (120,220) , (120,220) MIP
 , SIP (110,210) UIP
 가 , PDGN(600) - - (Peer-to-Peer) 가
 PDGN(600) - - (Peer-to-Peer Link)
 가 , SIP
 RNC(400,410) PDGN(600) (500) , (500)
) PDGN(600) PDGN(600) RNC(400,410) 가 가 PDGN(600) SIP
 PDGN(600) - - (Peer-to-Peer) RNC(400,410) PDGN(600)
 , (100,200) PDGN(600) - - (Peer-to-Peer)
 MIP (110,210)
 , (100,200) RNC(400,410) - - (Peer-to-Peer)
 PDGN(600) (500) , (500) M
 IP가 PDGN(600) MIP
 (On) MIP 가 ,
 SIP PDGN(600) PDGN(600) MIP ,
 MIP PDGN(600) (500) MIP IMSI PDGN(600) (120,220)
 UIP (110,210) (120,220) 가 PDGN(600)
 , HLR(530) UIP IMSI
 , PDGN(600)
 UIP , RNC(400,410) (500) UIP
 PDGN(600) PDGN(600) (500) UIP
 PDGN(600) - - (Peer-to-Peer) , RNC(400,410) PDGN(600)
 , (100,200) PDGN(600) - - (Peer-to-Peer)
 , (Default)
 ,
 ,
 ,
 가 ,
 ,
 MIP UIP 가

1.

가 , ,
 (SIP) ,
 (IMSI) (MIP) , (MSC) 가
 (UIP) .

2.

1 , 가 ,
 가

3.

1 , , 가

4.

1 , 가

가

5.

1 , (MIP) (MIP)
 (MIP) ,

6.

1 , (MIP)
 (On) (MIP)



