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2003 08 18(21) 10-2001-0025142  
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(43) 2001 11 23

(30) 00303897.3 2000 05 09 EP(EP)

(73) 600 ( : 07974-0636)

(72) 55 17

(74)

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(54) 3 ( )

UMTS(Universal Mobile Telecommunications System) , PDP(Packet Data Protocol)  
 RSVP , MT(30) (24) RSVP  
 2 PDP , 가  
 가 RSVP  
 RSVP " (racing)" .

3

(RSVP), , UMTS, GPRS, (QoS), (PDP).

1 RSVP , 2 - 5 , ;  
 2 UMTS QoS ;  
 3 ;  
 4 .  
 5 (end-to-end session) .

6

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10: 12: GPRS (GGSN) 26: GPRS (SGSN)

24: (UTRAN) 30: (MT)

28: (TE) 40:

32:

(IP)

(Univertial Mobile Telecommunication System; UMTS) , 3 (3G)

(Quality of Service; QoS) , IP

(QoS)

가 IP (QoS) (Resource reSerVation Protocol; RSVP)

(QoS) RSVP

RSVP (12) PATH (end-to-end protocol) , 1 (10) Tspec

PATH (10) PATH

(QoS) RESV , FlowSpec (10, 12) PATH

RESV UMTS

PATH (10) (hop) RESV , RESV 가 ,

(QoS)

2000 3 6-9 TSG-SA 2 12 , 가

RSVP ; (mobile) (mobile system) GPRS/UMTS RSVP

RESV (proxy) PATH

[ Lucent Case Name/No. X. Chen 11/ IDS No.12

2413] RSVP (mobile) GPRS (Serving GPRS Support Node; SGSN)

GPRS (Gateway GPRS Support Node; GGSN)

(mobile) (Packet Data Protocol; PDP) (Context Activation

Procedures)

UMTS , (QoS)

3

3

(RSVP) , RSVP

(flag)가 RSVP 가

2 UMTS(20) GPRS (GGSN)(24) GPRS (SGSN)(26)

(Core Network: CN)(22) ; UMTS (UMTS Terrestrial Radio Ac

cess Network: UTRAN)(28) . MT(mobile terminal)(30) UTRAN(28)  
 . MT(30) (TE) , UMTS (non-UMTS specific application)  
 . MT(30) UMTS , UMTS ,  
 (TE:32)  
 GGSN(24) (40)  
 UMTS(20) MT(30) UMTS (20) (QoS) (QoS)  
 (application-specific) (Packet Data Protocol: PDP)  
 3 (QoS) . RSVP MT(30) . MT(3  
 0) RSVP (entity) TE(32) PATH , PATH , RSVP  
 (QoS) , MT(30) , PDP 2 PDP  
 DP , PDP PATH 가 PATH 2 P  
 , 2 PDP PATH 가 PATH 가  
 (refresh) , 2 PDP MT(30)  
 UTRAN(28) SGSN(26) , SGSN / PDP  
 GGSN(24) . GGSN (return) SGSN , MT(30)  
 RESV TE(32) . TE(32) PATH RES  
 V  
 RSVP (QoS) , RSVP  
 TS PDP (QoS) (QoS) , UM  
 (QoS) 가 RSVP  
 (QoS) 가 (QoS)  
 , RSVP UMTS , UMTS 2 PDP (two-way)  
 , " (racing)" , RSVP , GGSN(2  
 (remote peer) PATH/RESV ( MT(30)  
 ) , " " RSVP  
 , PDP (end point)  
 RSVP , RSVP (QoS)  
 2 PDP 가 ,  
 3 , RSVP MT(30) , M  
 4 , RSVP MT(30) (40)  
 3 . MT(30) GGSN(24)  
 M  
 5 , RSVP (end-to-end) MT(30) GGSN(24)  
 가 (40) , TE(32)가 RSVP (peer) 가 RSV  
 P . MT(30)가 TE(32) PATH , PDP (QoS)  
 , MT(30) (QoS) RSVP 가 PDP  
 PATH 가 GGSN(24) , (QoS)  
 , . PATH  
 (QoS) (QoS) , (Radio Access Battier:  
 RAB) SGSN(24) UTRAN(28) , RESV  
 GGSN , GGSN PDP , PD  
 P MT(30)  
 MT(30) GGSN(24) M  
 6 MT GGSN (QoS)  
 , M  
 , M , (flag)  
 1 , (flag bit) 가 (every) PATH RESV 가

MT , , RSVP 가 MT(30)  
MT(30) , RSVP  
RSVP 가 , PATH RE  
SV 가 , RSVP  
MT , MT , MT(3  
0), GGSN(24) SGSN(26) / SGSN/GGSN 가 , MT(3  
( PDP ) 가 ,  
2 MT(30) , GGSN(24) SGSN(26) ,  
, GGSN(24) 1 RSVP ( PATH RESV )  
PDP ; RSVP GGSN 1 ;  
RSVP 가 GGSN(24)  
, GGSN  
GGSN , 가 RSVP ,  
(QoS) 가 PDP ,  
(QoS) , PDP (QoS)  
RSVP 가 1 , MT(30) RS  
VP , RSVP MT(30) 3 4 1  
PDP 가 2 , GGSN  
RSVP MT(30) GGSN(24) 5 6  
2  
" "  
[Lucent Case Name/No. X. Chen 11/IDS No.  
122413] , RSVP MT SGSN GGSN(26) , MT  
PDP , 2000 3 3 00301782  
.9 , RSVP IP " (piggybacked)"

(IP)  
) 가 IP , (Resource reSerVation Protocol; RSVP  
(QoS)  
(QoS) , UM  
TS 3

(57)

1.  
3 (30)  
RSVP (Resource reSerVation Pr  
otocol; RSVP)  
가 RSVP , RSVP 가 ,  
RSVP ,
2.  
( )
3.  
1 , RSVP 가 ,
4.  
1 3 , (30) ,
5.  
4 , (30) ,
- 6.

1 , (PDP) , .  
 7.  
 6 , (24) 1 PDP  
 , .  
 8.  
 7 , (24) 2 PDP  
 RSVP , .  
 9.  
 8 , (24) PDP  
 , PDP  
 , .











