

(No.7)

(:)

- (No.7)
-

R2 R2 가 .

가
가 (NO.7)
가
가

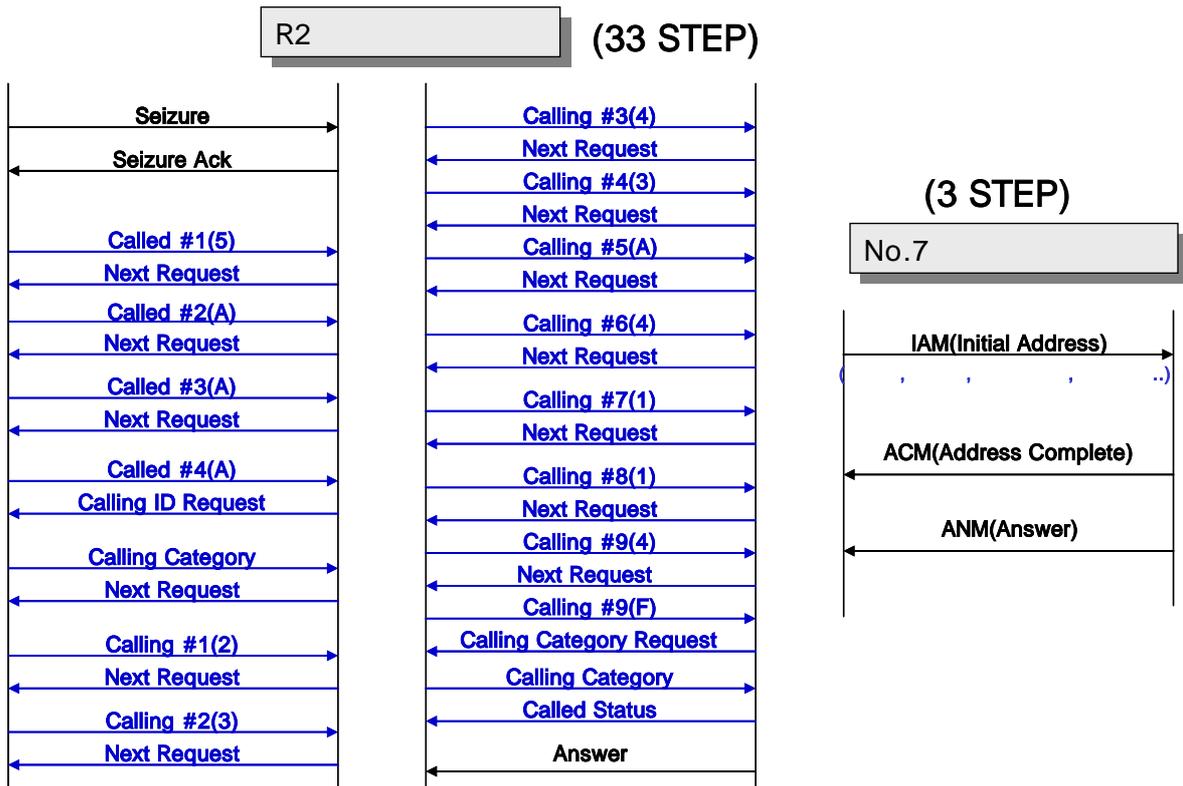
(No.7)

1.

1) (R2) (No.7)

	R2	No.7
()	(5~15)	(0.1)
		가
가	가	가 , 가
	(, , ,)	(ITU-T Q.850 60가)

2)



가 가 가

가		DP, DTMF	
	CAS	R1, R2	NO.1 ~ NO.5, R1, R2
	CCS	NO.7	NO.6, NO.7

- CAS(Channel Associated Signaling) : No.1 ~ No.5, R1, R2

R2

- CCS(Common Channel Signaling) : LAPD, No.6, No.7

가

CCITT

1960

No.6

1980

가

가

No.7

4.8Kbps, 48Kbps, 64Kbps

DATA LINK

/ END USER

가 . , ACCESS 가 .
 - DATA LINK Bit
 - 가 .

2. No.7

No.7 (Protocol Architecture) MTP, SCCP, TCAP, AP, ISUP/TUP .

(MTP)

3 . 1 ,
 2 ,
 3 .

(SCCP)

(Connection Oriented Service) (Connectionless Service)

(TCAP)

(AP) 가 .

ISDN (ISUP)/ (TUP)

No.7 / ISUP/TUP AP
 (SSP) MTP
 (STP)

SCCP .

(2) _____

3) (SR : Signaling Route)

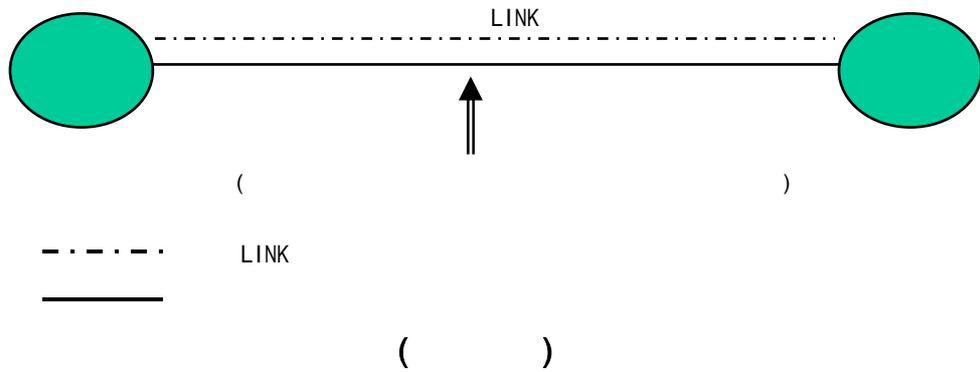
가
(STP) _____ 가 2

4. NO.7

2 (가)

1) (Signaling Mode)

LINK가 , 가
(_____
_____)

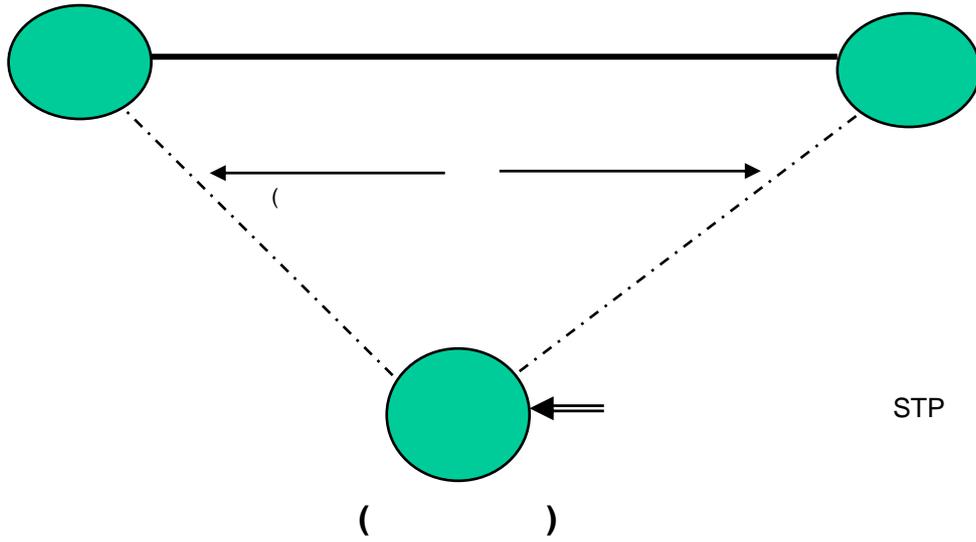


2) (Associated Mode)

가 1 STP

3) (Non-Associated Mode)

가 PATH , 2 가 OPC
DPC 1 STP , STP
(_____)



SEP 가 100m/sec

5. NO.7

:
 ,
 (, IAM(Initial
)
 Address Message) . IAM ACM
 TIMER , ACM IAM
 . (IAM , .)
 : IAM ()
 IAM
 ACM IAM .
 : IAM() USER
 ()
 ACM .
 ACM () IAM
 TIMER . RBT()가 RING .

가 () IAM

1) IAM ()

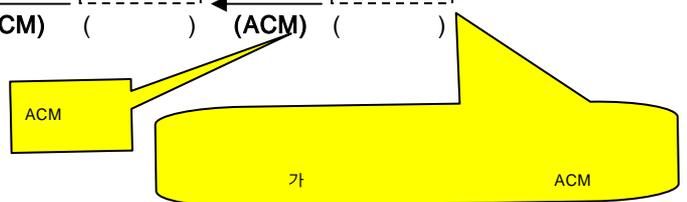
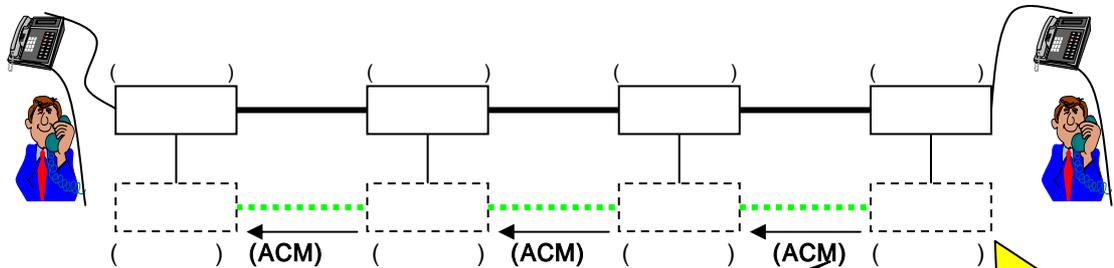
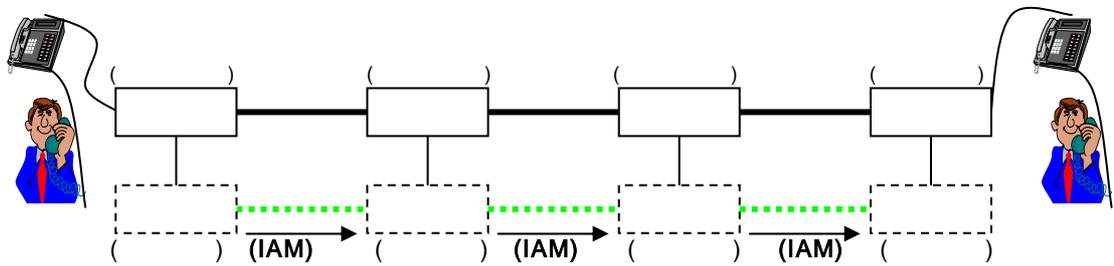
가

()

가

ACM(Address Complete

Message)

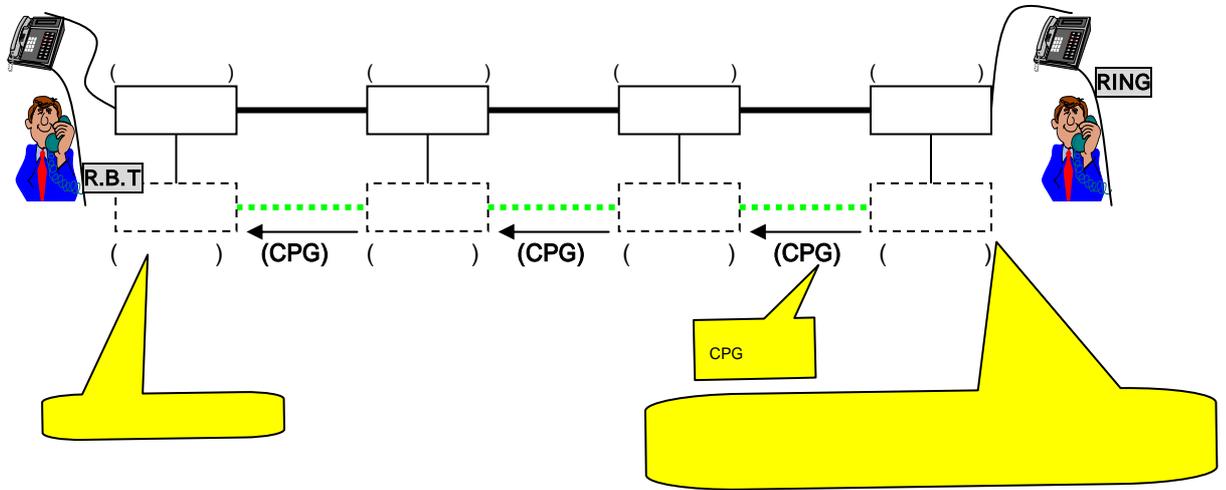


2)

CPG(Call Process Message) ()

CPG

CPG



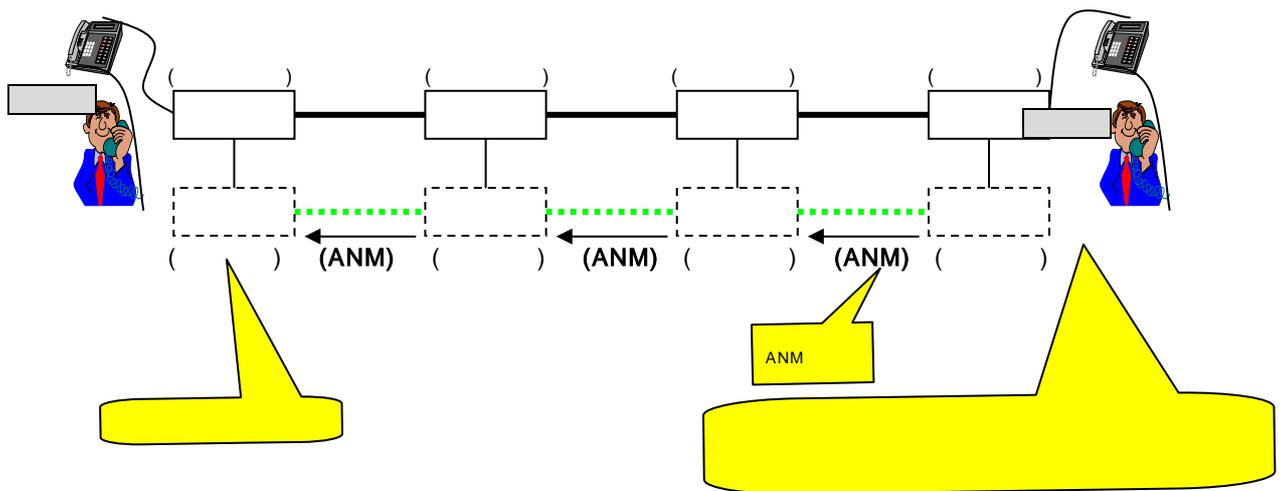
3)

ANM(Answer Message) ()

. ANM

ANM

가



(NO.7)

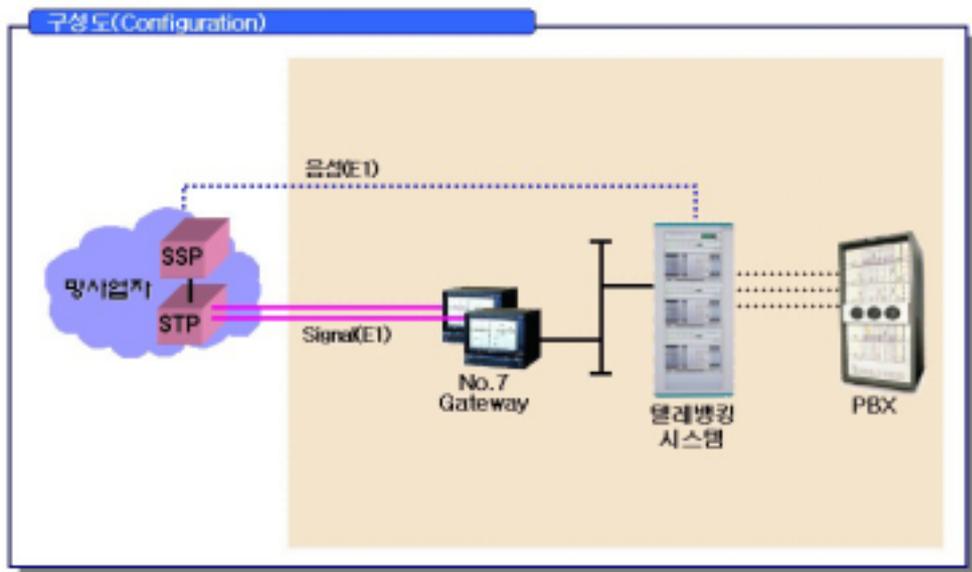
1.

1)

NO.7 Signaling Gateway NO.7 (STP) (SSP)
Signaling

NO.7 Signaling Gateway
(:)

2)



3)

(R2 3-7 → 0.5)

)

(, ,)
(Signaling /)

가

- Personal Phone Banking

- VIP

-

DB Mining

2.

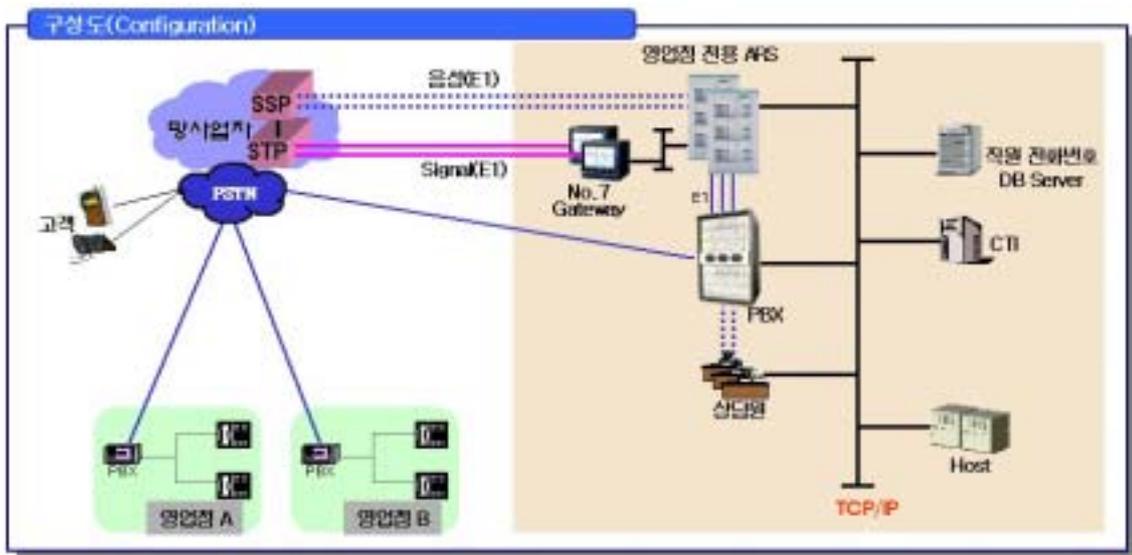
1)

NO.7 Signaling Gateway

NO.7

(STP)

2)



3)

Play

가

- VIP

-

DB Mining