

# Broadband IT KOREA (BCN)

( )



2003. 7.

I

II

III

BCN

IV

V





(1995~2005)

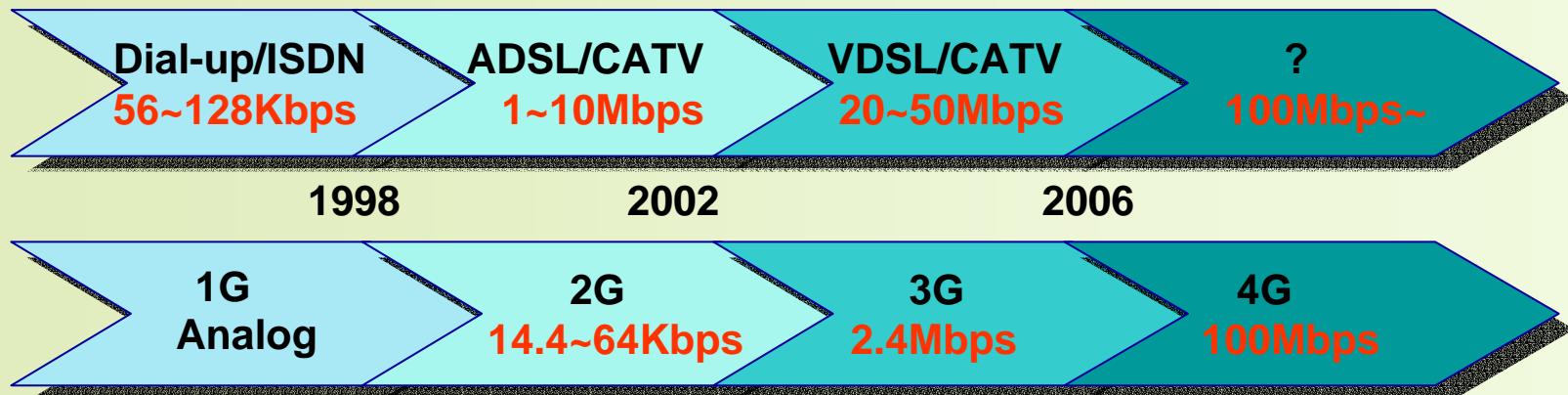
-

- 가 2,627 (2002.12.) • 가 1,093 (2003.4.)
- 가 3,299 (2003.4.) • CDMA 2000-1x 1,959 (2003.4.)

-

- ✓ ITU('03.4.) : “ 40 ,  
”





,

(Convergence)

가

- . , . , .



IT

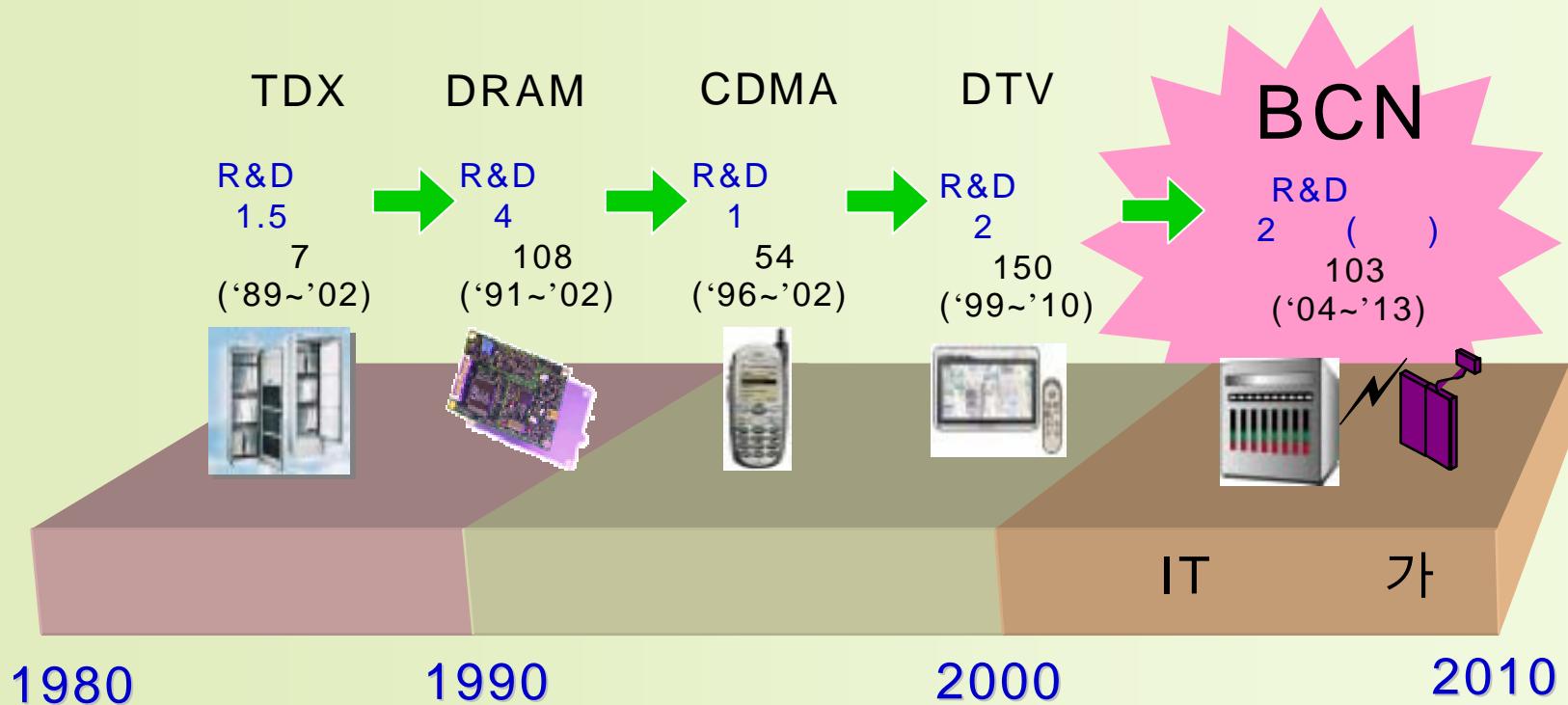
, , ,

가

가

IT

- '80~'90 IT : TDX,DRAM,CDMA,DTV
- 2000 : BCN IT

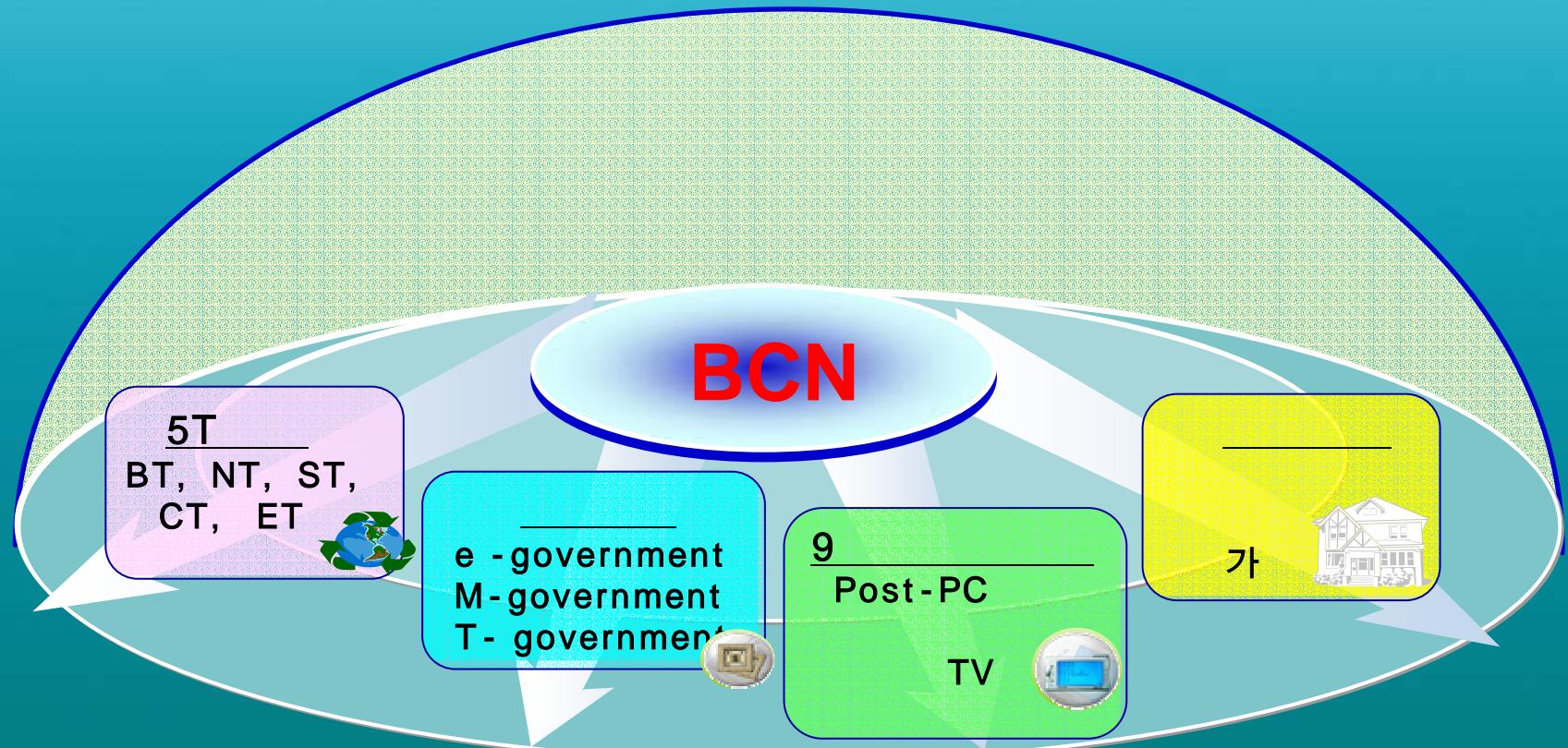


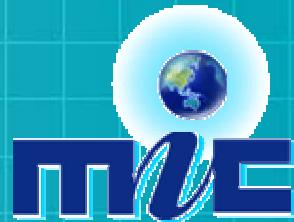
# I. BCN (4)

가

- BCN
  - BCN
- BT, NT

IT





## II - 1.



,

(      ) : ('00 54% → '02 87%) , ('00 39% → '02 56%)



•

•

가

•

50%

### □ IP



(      ) IP

✓IP

1 2

(

가 4 )

✓IP

가

70%

✓IP

50%

: Sprint Study / US Bancorp Piper Jaffray (2000)

## II-2.

- •

가 : ('96 12.2% → '02 -0.55% → '07 0.76%)  
 ('96 165.9% → '02 4.51% → '07 -15.85%)

- 
- 가 가 : 2002 33.3% → 2003 15.4% → 2007 1.4%

- : ARPU 10%

: ,

- •
- : last one mile ( +WLAN/ )
- : ( +WLAN/ )

## II - 3.



HFC

,



(DMB, DMC )



CATV

DMC



## II - 4.

- ,
  - 
  - 
  - (QoS) ,
  - (IPv4) 2005
  
- 50% ,
  - 가
  
- : (80%), • (70%), 가 (30%)

□ • , •

□

IT



BCN

BCN

(2001~2005)

• 가

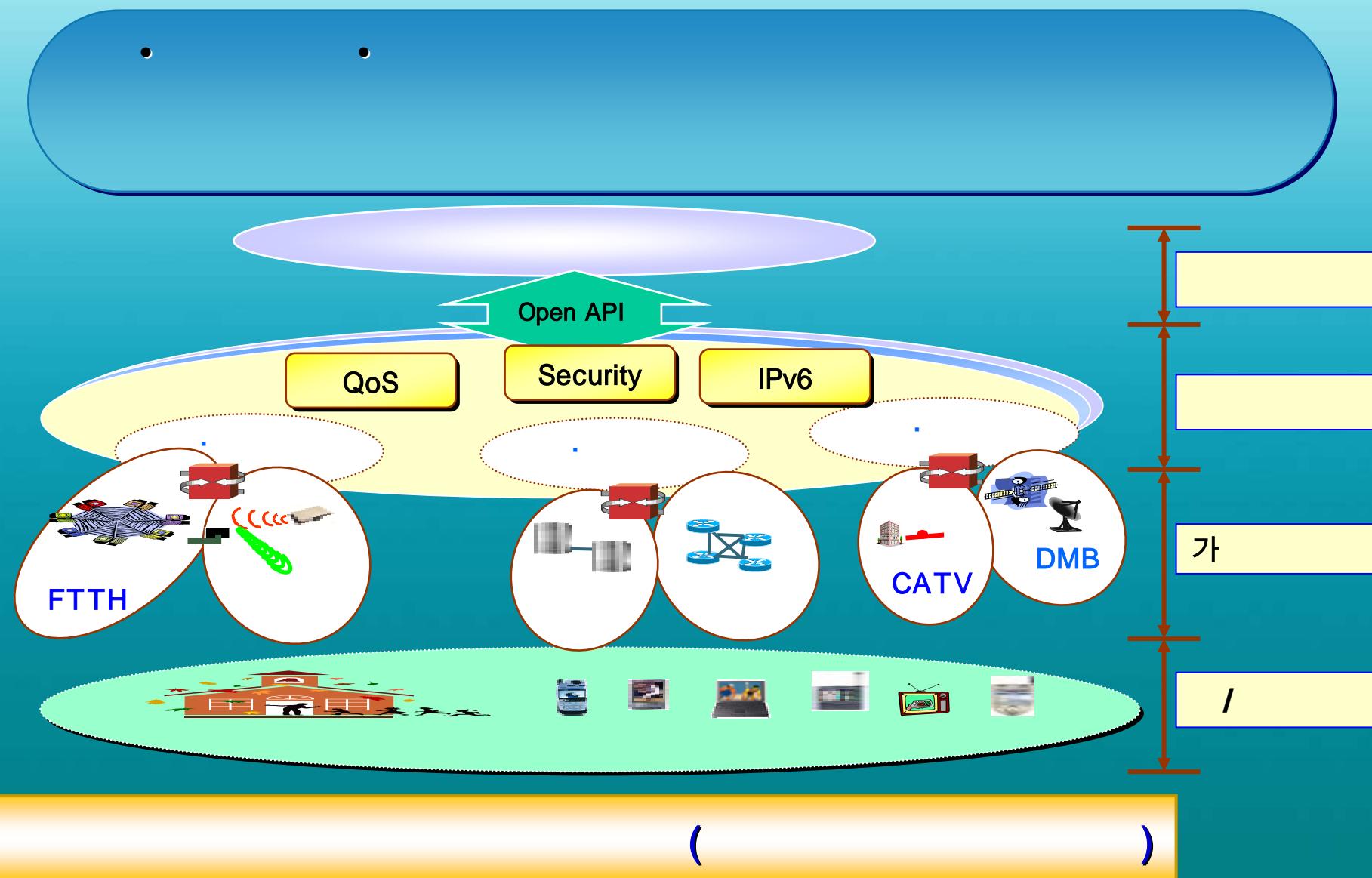
# III. BCN

1. BCN
2. BCN
3. BCN

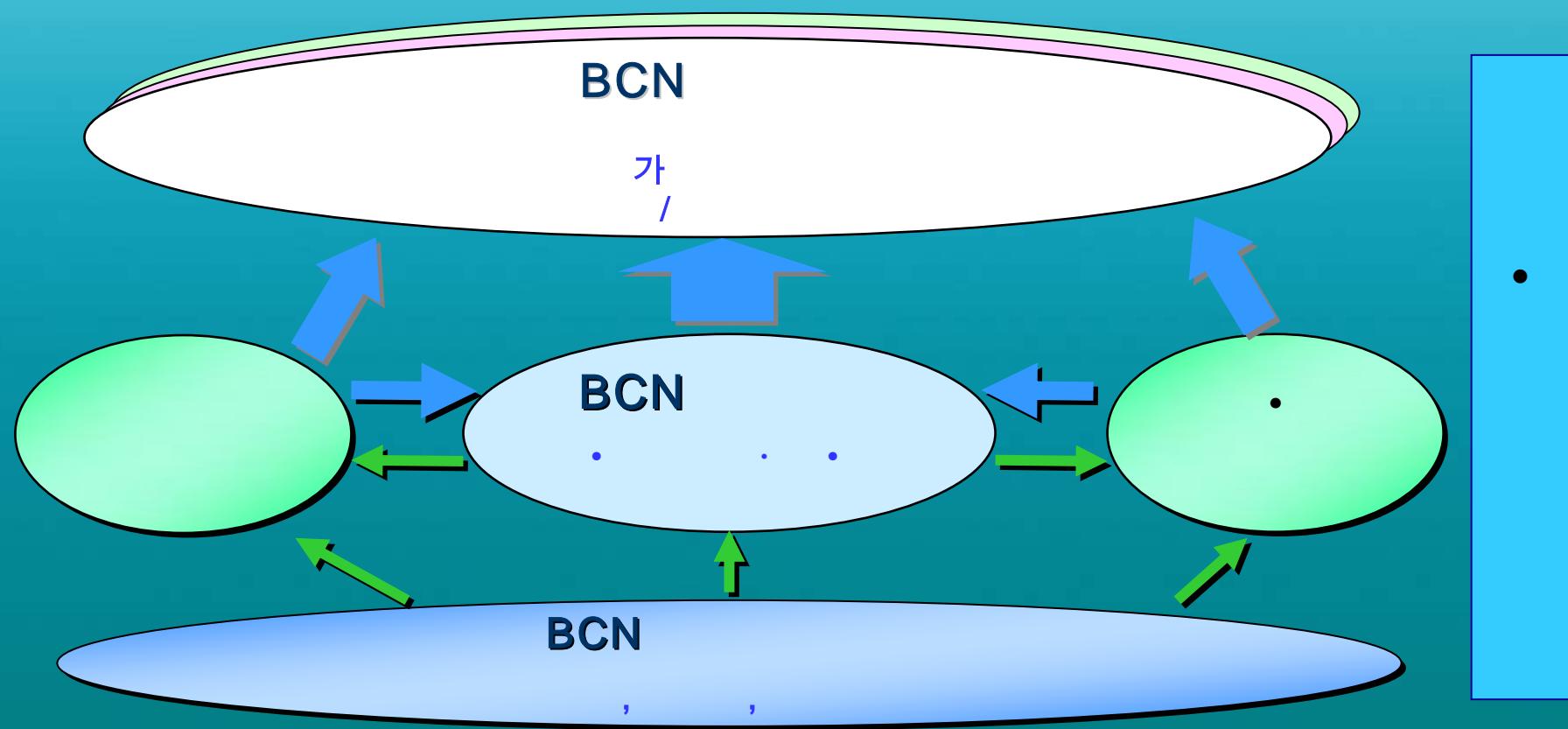


◆ 가

# III - 1. BCN



□ BCN



- ( , , , )  
( / , )
- BCN ,



### BCN

- ,
- , ,

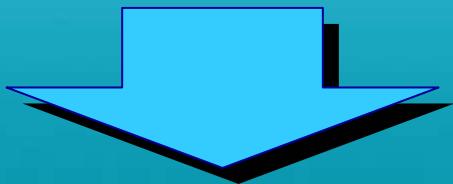
- BCN •
- •
- •



### III-3. BCN

BCN

- BCN
- BCN



- 
- 
- BCN

BCN  
가

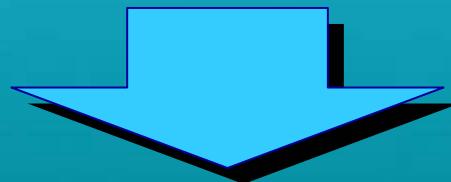
### III-3. BCN

BCN

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- , , ,

BCN

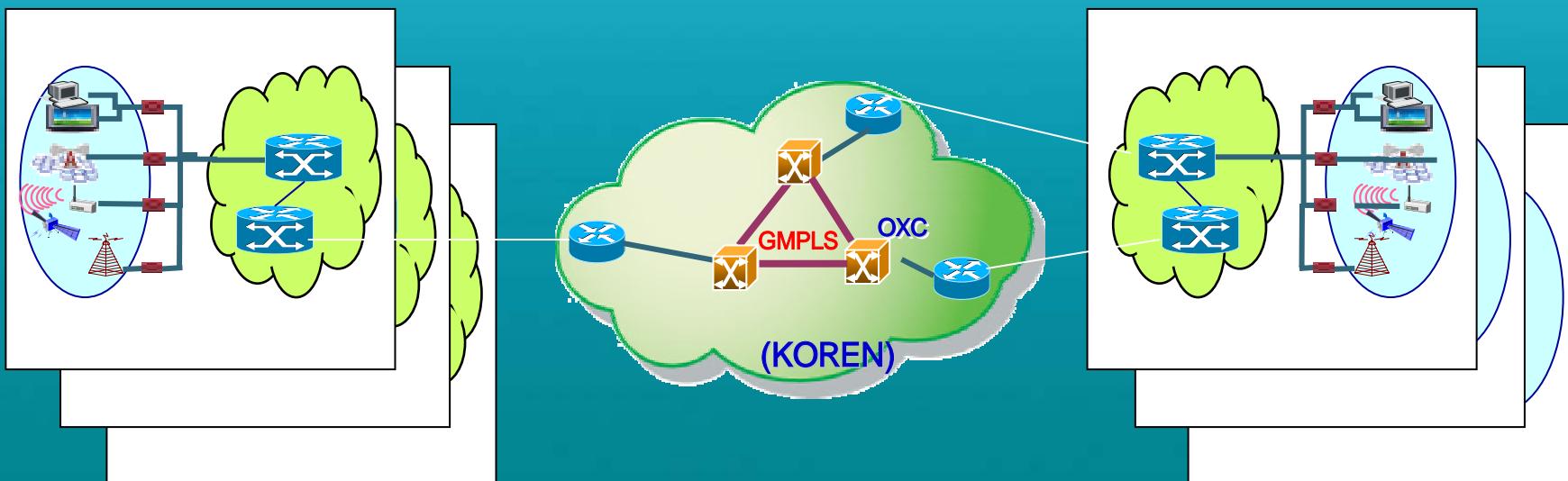
- 
- 
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- BCN
- BCN
- IT R&D

□ 6

(KOREN)



OXC : Optical Cross Connect

GMPLS : Generalized Multi-Protocol Label Switching

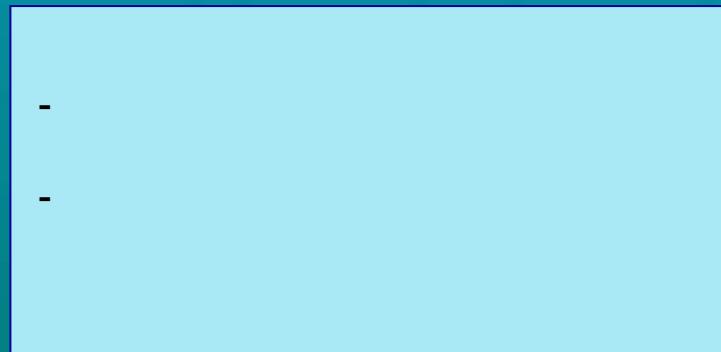
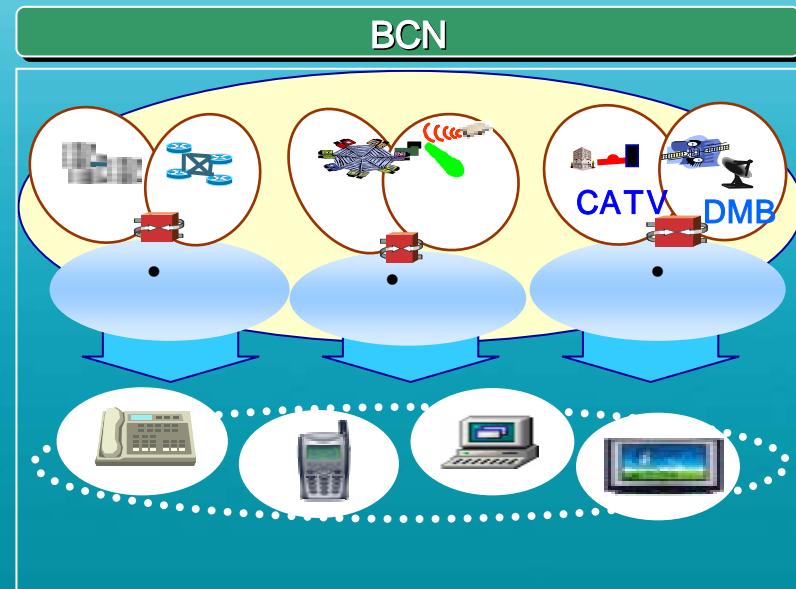
KOREN : KORE advanced REsearch Network



### III - 3. BCN

異種

가

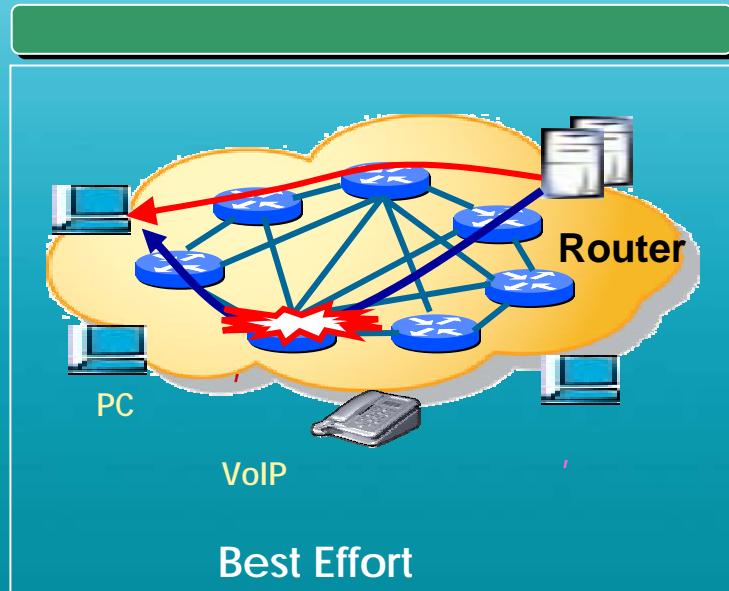


- IP : (VoIP)
- . . . . .
- . . . . . : QoS 가

# III - 3. BCN

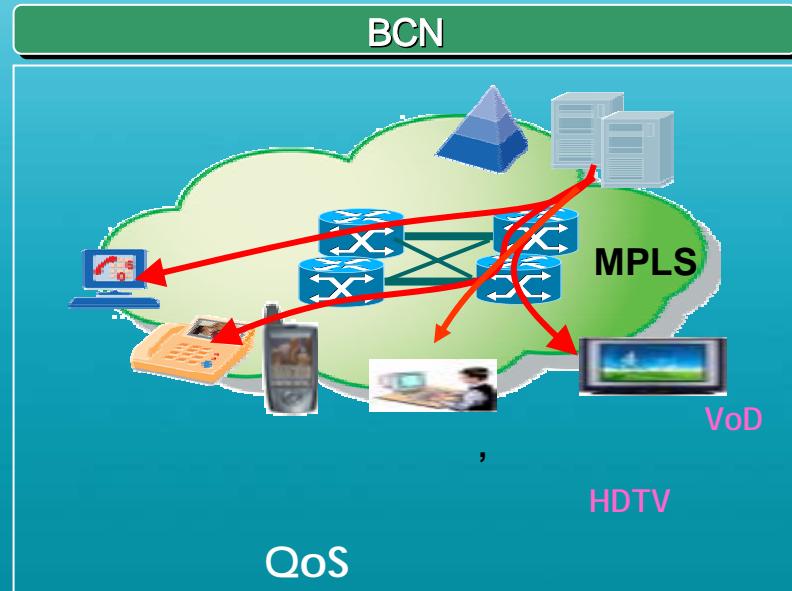
- 1

(QoS)



- Best Effort

- ,



- (MPLS)

- ATM/ MPLS

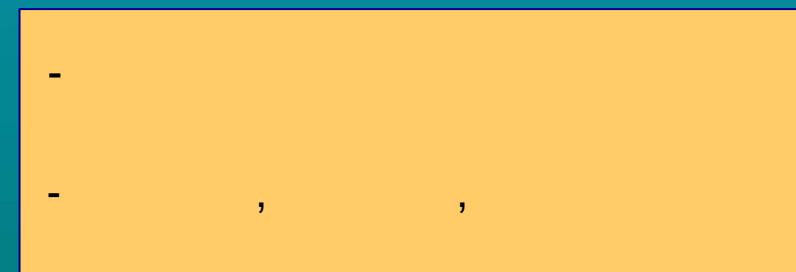
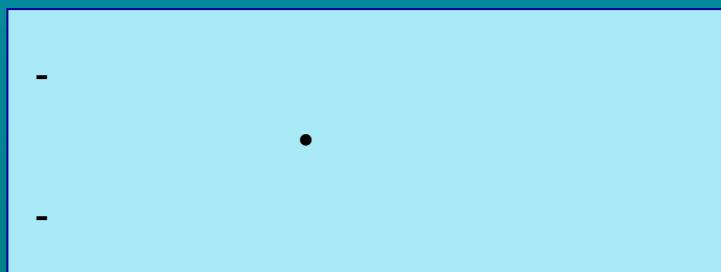
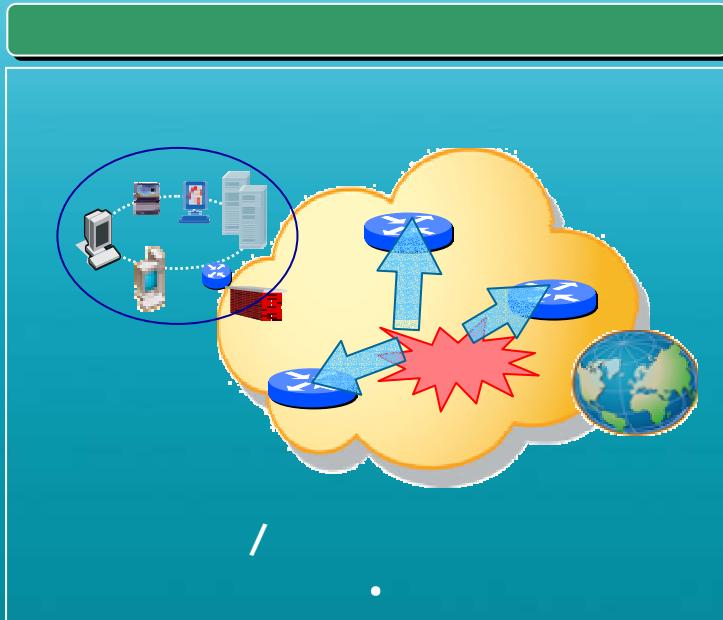
- SLA

MPLS : Multi Protocol Label Switching

# III - 3. BCN

-2

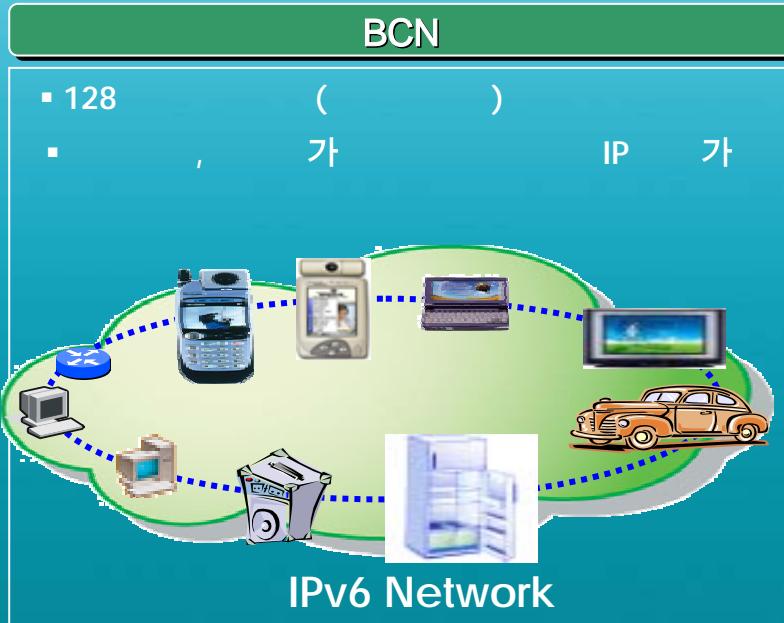
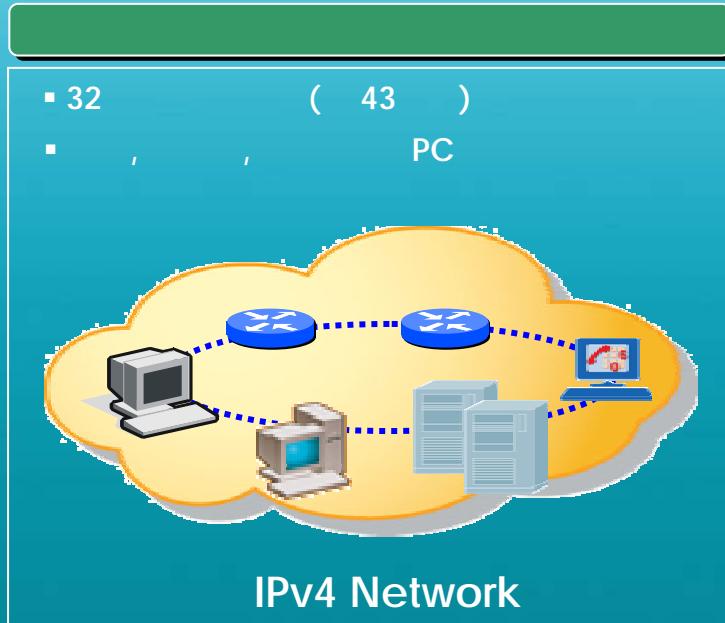
(Security)



# III-3. BCN

- 3

(IPv6)



- IPv4  
가  
IP

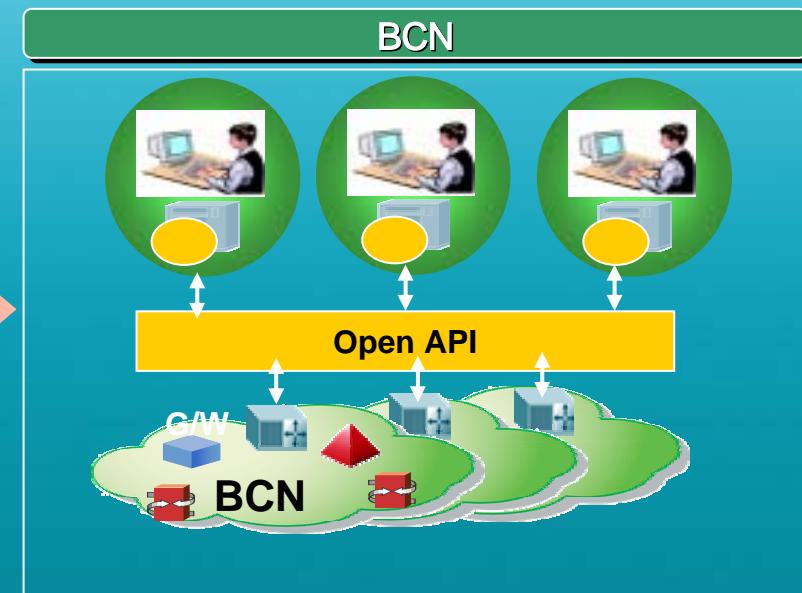
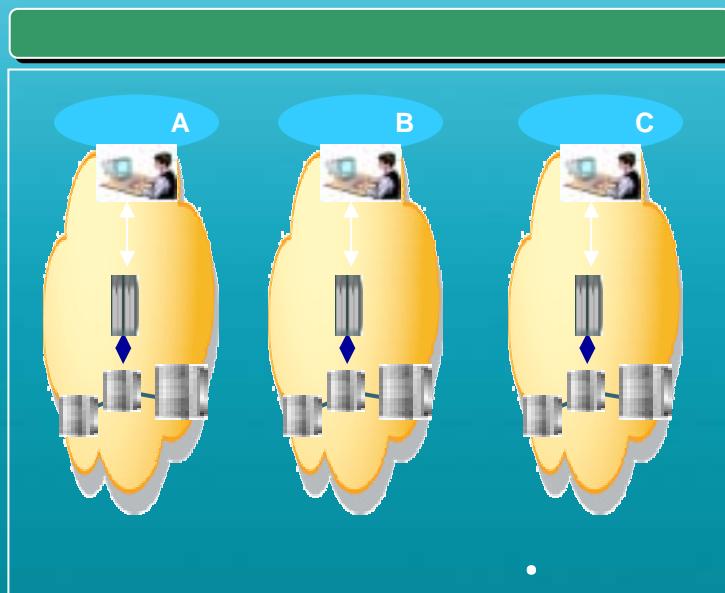
- IPv6  
IP 가 가 ,

# III - 3. BCN

- 4

(Open API)

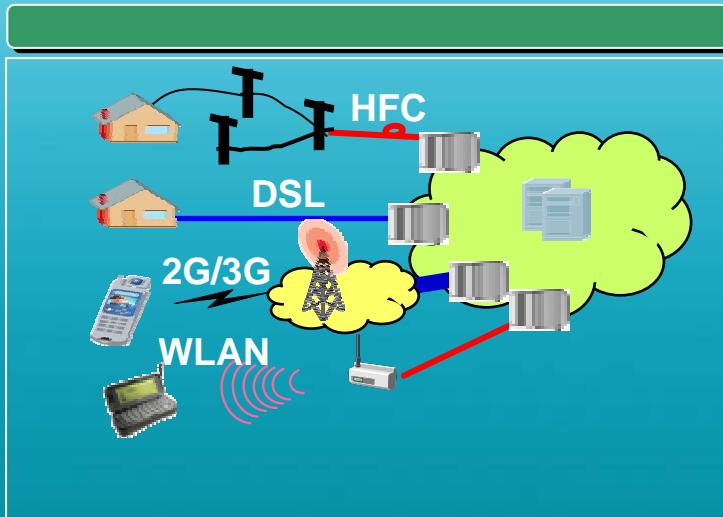
API : Application Programmable Interface



### **III - 3. BCN**

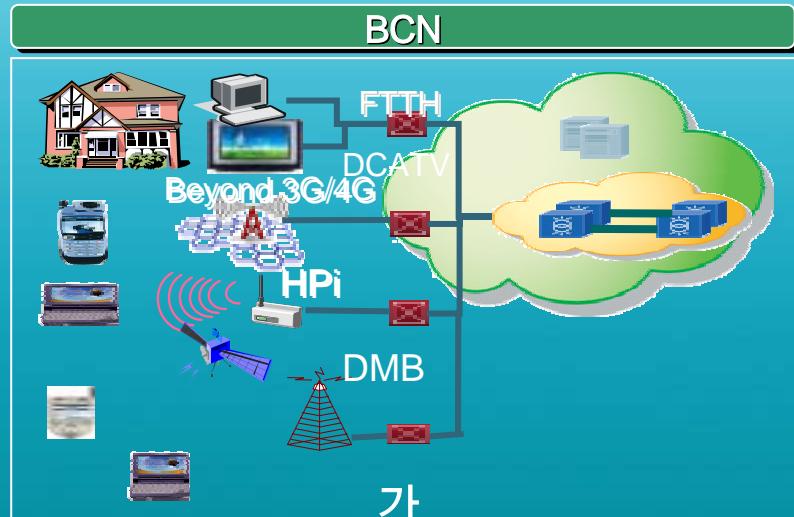
가

가



- DSL, HFC

- WLAN, 2G/3G

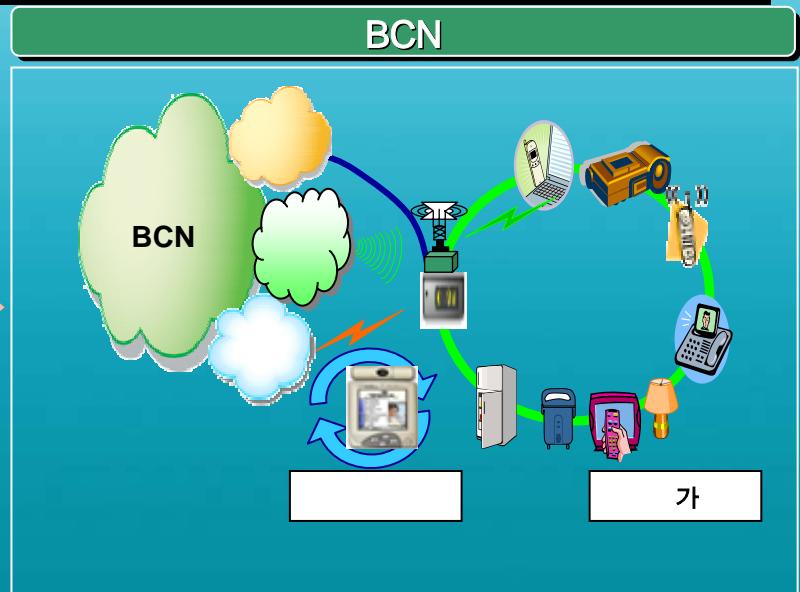
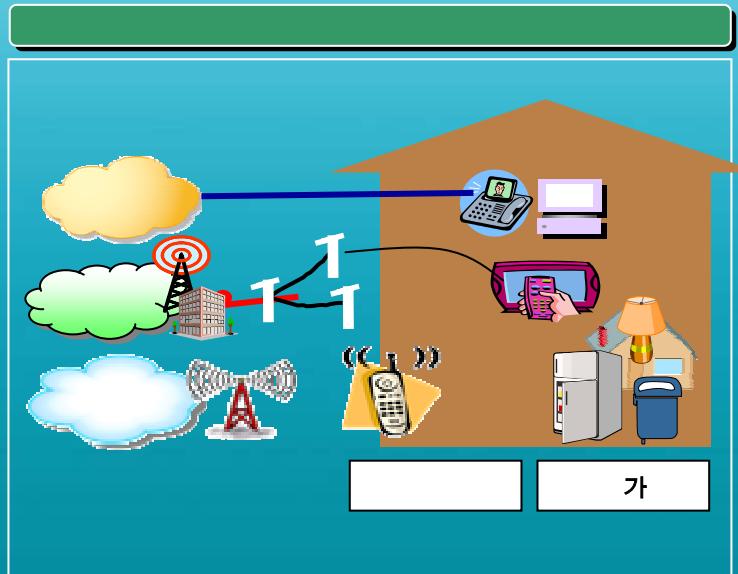


- 가 (HPi, 4G)

(DCATV, DMB)

### III-3. BCN

•가



- 가 , ,

- •가

•가

- BCN 가

가

•가 (IPv6)

•

### III-3. BCN

#### BCN

- 10 IT
- 

R&D

#### BCN

- 
- IT

### III-3. BCN



, ,

- BCN (e-gov, M-gov, T-gov )

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-

,



killer

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### III - 3. BCN

- - (Bundling)
  - ,
- BCN
  - ,
- BCN
  - ,
  - SLA

# IV.



10

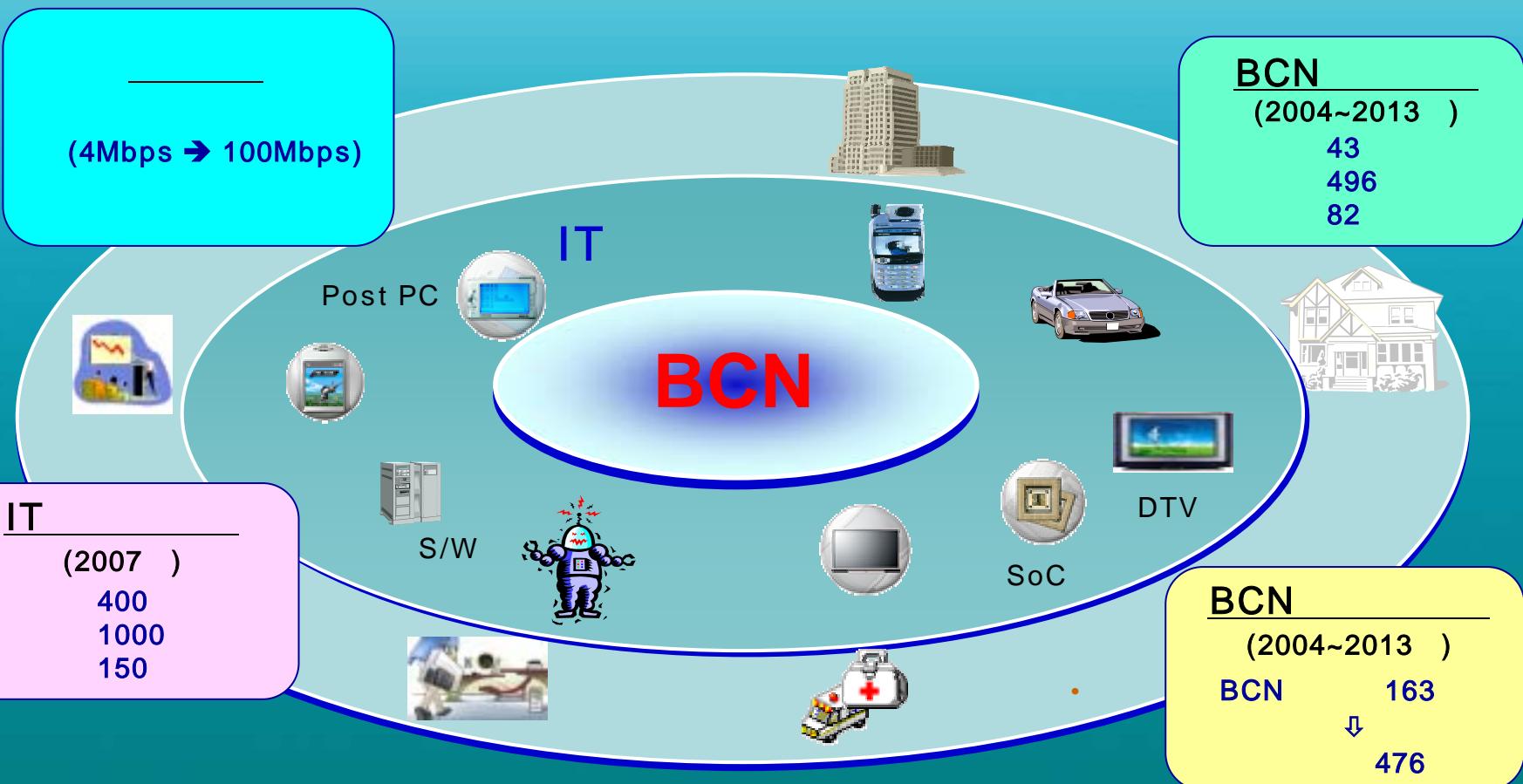
BCN



IT 9

103

, 82



2004

2007

2013

2004 – 2013

50%

65%

80%

43

0.1

13

145

120

630

3278

496 \$

BCN

BCN

0.2

3.1

21.8

82

1

9

37

33

43

61

163

( ) : 476

BCN



BCN

80%

4.5%

43	(60      ) : 5,600 ('04    ) → 3.6 ('07    ) → 12.2 ('13    ) : 50% (2,800      ) → 65% (2.4      ) → <b>80% (9.8      )</b>
496	(1.5      ) : 120 ('04    ) → 630 ('07    ) → 3,280 ('13    ) : 0.1% (0.1      ) → 2% (12.6      ) → <b>4.4% (145      )</b>
82	[ (      : + - (20%) ] 1 : 2,350 ('04    ) → 3.1 ('07    ) → 21.8 ('13    ) : 0.2      → 3.1      → <b>21.8</b>
163	(Garntner Dataquest, 2003.4.) (3.8      ) BCN (476      ) : 33 ('04    ) → 43 ('07    ) → 61 ('13    ) : 1.1      → 9      → <b>37</b>



**me**

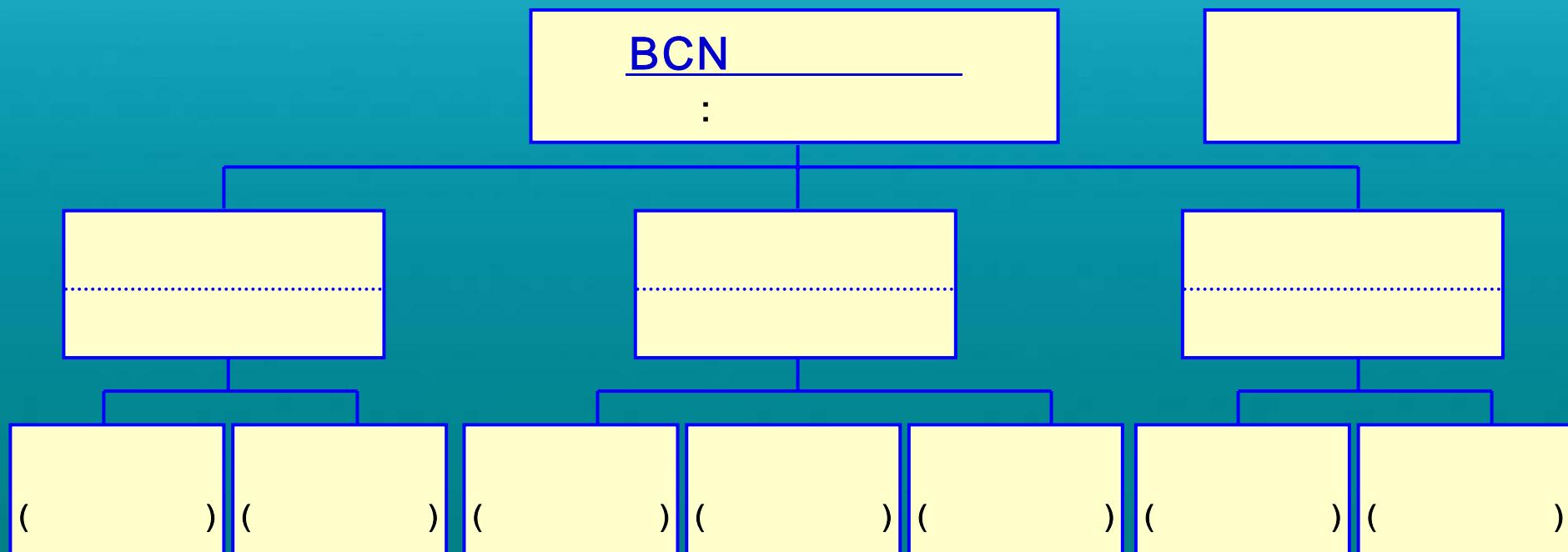
A large, bold, blue lowercase 'me' logo is positioned at the bottom right. The letter 'm' is a solid blue, while the letter 'e' has a blue outline and a teal interior.

V.

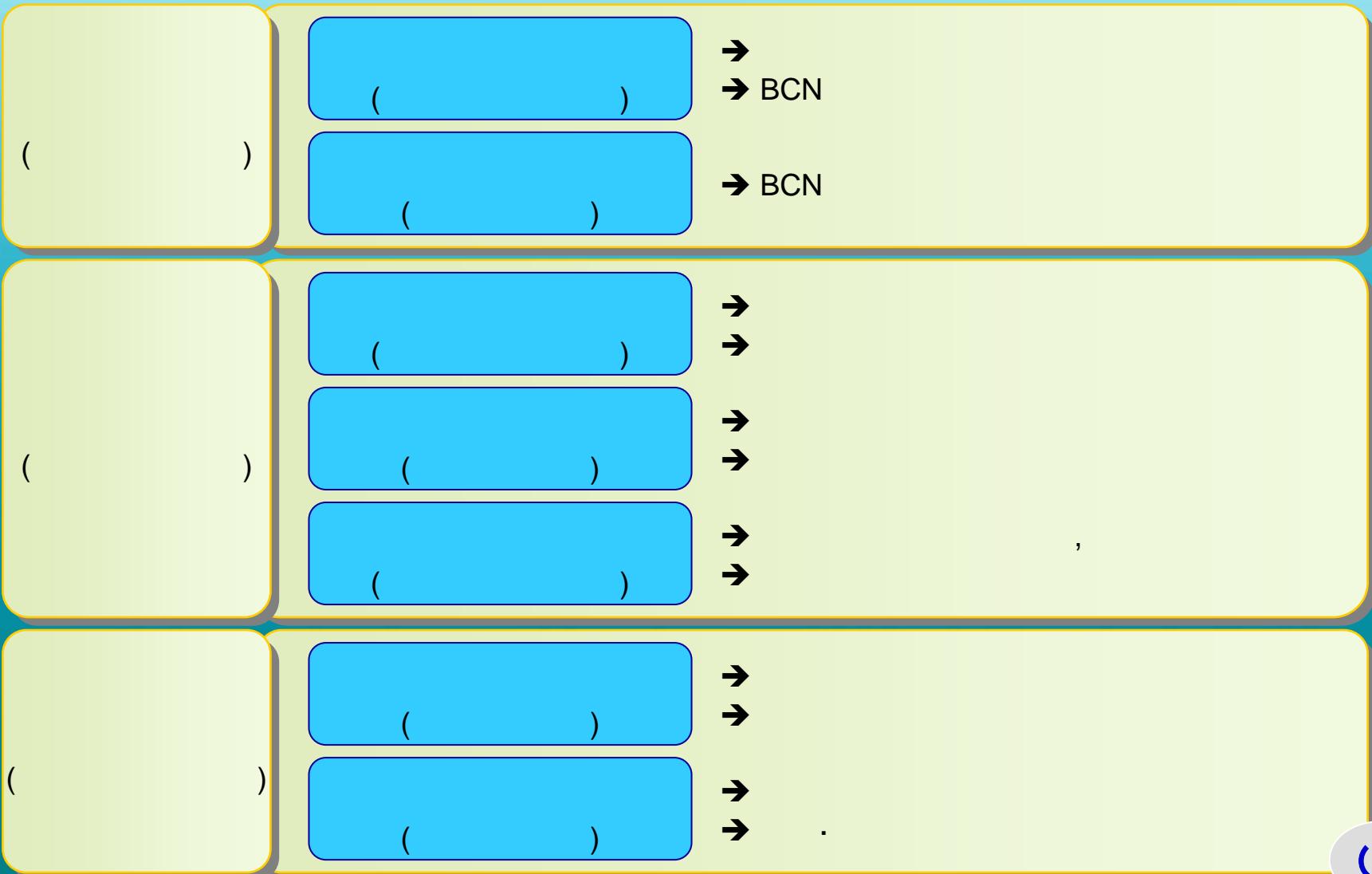


, , , , , 가  
BCN ( : )

- (Cross Function Team)
  - 가 20



# : BCN



## V-2.

(2003) :

- 2003. 5 :
- 2003. 10 : ( )
- 2003. 12 : • ( )

(2004~2010) : 3

1 (2004~2005) :

- 
- 

2 (2006~2007) :

- 
- 500 가 50~100Mbps 가

3 (2008~2010) :

- 
- 1,000 가 50~100Mbps 가

