

정보통신 기술이 담당하는 ITS 최전선!! 네트워크 기술에 의한 ITS 서비스의 복합화

稻葉 勝三

ITS

가

ITS() 가 3 1

ITS 가

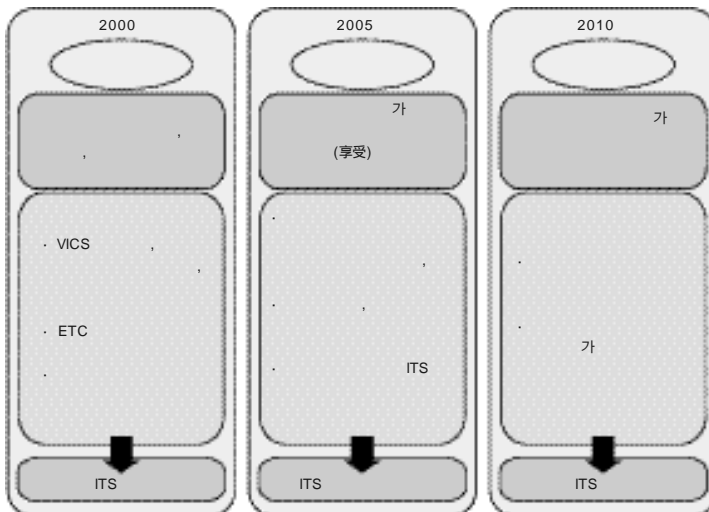
ITS 1999 2
ITS

ITS ITS / 가

ITS

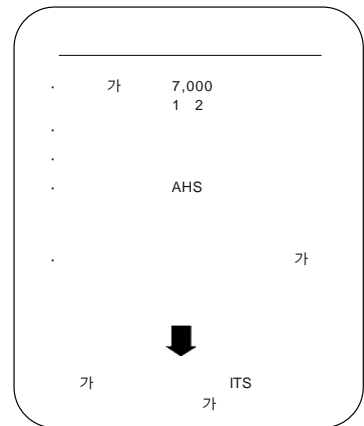
ITS

ITS ITS



: ITS (1999 2)

1. ITS



2.

ITS

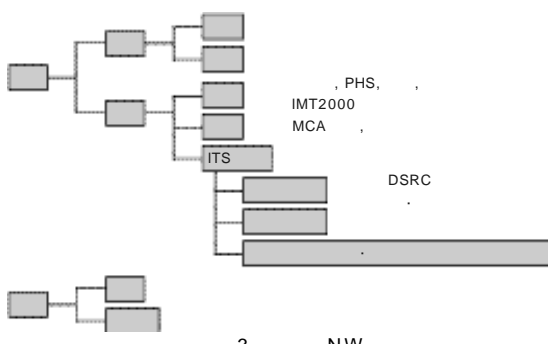
ITS (Intelligent Transportation System)

ITS 가 (,) 가 (,) (端末數) (,) ITS (,) ITS (路車) (車車) (QoS) ITS ITS 가 IMT2000

1. ITS

ITS	(NW)		(NW)		
	0.1s	(/)	0.1s		
	0.1s	/	0.1s		
	ID	0.1s		0.1s	
	ID	10s		10s	
	ID,	10min			
					가

(DSRC, ,)

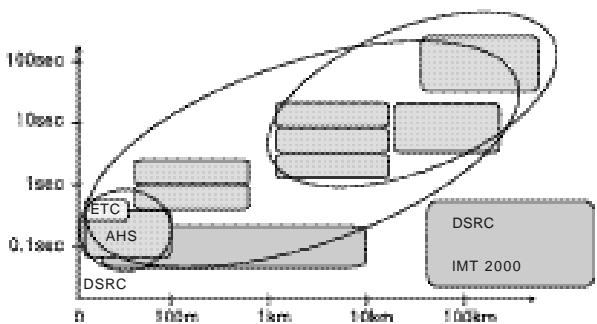


3. NW

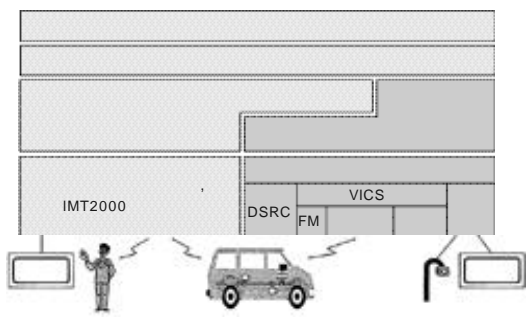
- DSRC
 - 5.8GHz
 - 1024Kb/s
 - 3 x 4m (x)
- IMT2000
 - 1024Kb/s
 - 64Kb/s
 - 3.5 x 3.7m (x)
 - 3.5 x 1.6m
 - 2001
 - 2Mb/s
 - 384Kb/s
 - 144Kb/s

4.

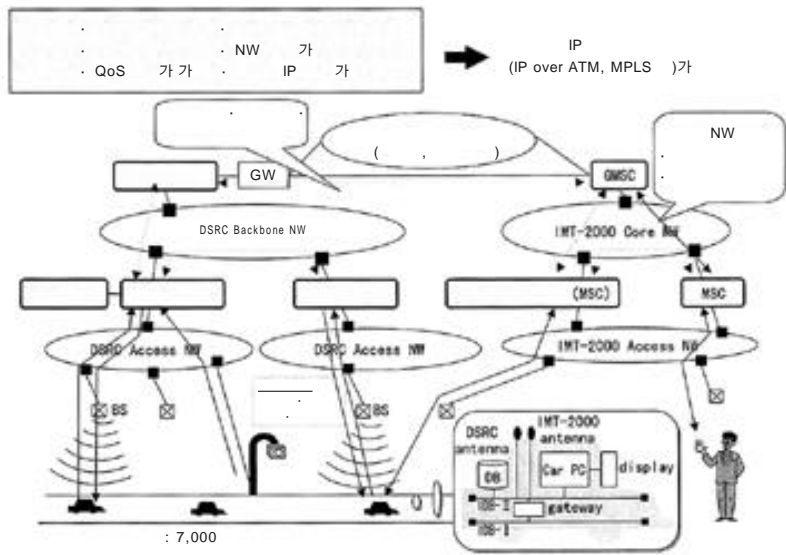
가 . 가 .
 4
 DSRC((狭域)) ITS 가 .
 가 5 6
 가 (ETC, AHS)
 IMT2000 DSRC ,
 ()
 가 IMT2000
 (同報) 가 가 가 (混在)



5. ITS NW



6. ITS



7. ITS-NW

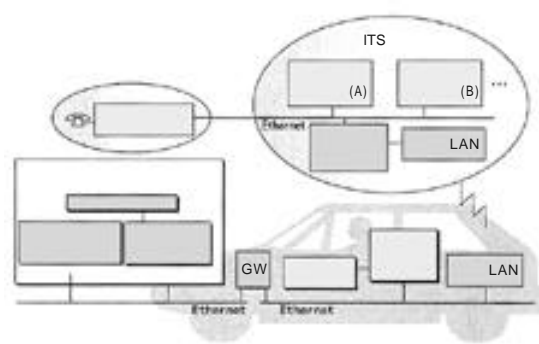
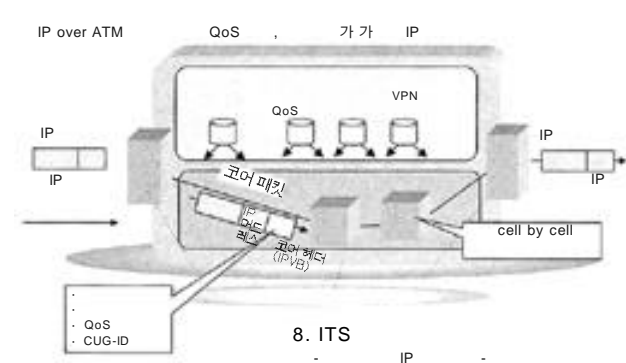
QoS 가가
()

7

IP
가 ATM
IP
IP over ATM
QoS 가 IP
8
ITS 가

() ITS
ITS
가

9



9. ITS 가

가
가
ITS
가

ITS
가가



(擬似)
ITS
(路側)

가
ITS
가가
가가가

- 1) ITS情報通信システム研究会, ITSテレコミュニケーションビジネス-ITS電気通信技術が創る21世紀-, クリエイト・グループ社
- 2) 安原, ITS情報流通システムへのNTT R&Dの取り組み-NTTにおけるITS関連技術の研究開発の現状と課題, 99NTT-ATシンポジウムITSを支える情報通信システムの動向と展望