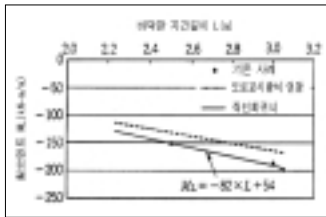


3. ()



4. ()

75%

3. () PS

4. : (ITS: Intelligent Transportation System)

ITS

PS

가

가

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ITS

ITS

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1. ITS

		ITS	
		LAN, FDDI	-
		,	ITS
		PSTN, CSDN, PSDN, ISDN	-
		-	, CNS
		-	
		-	
		-	FM

LAN(Local Area Network), FDDI(Fiber Distributed Data Interface), PSTN(Public Switched Telephone Network), CSDN(Circuit Switching Data Network), PSDN(Packet Switching Data Network), ISDN(Integrated Service Digital Network)

가 , (1) ITS (2) FM FM 가

가 RDS-TMC(Radio Data System-Traffic Message Channel) DARC (Data Radio Channel)

ITS Version RDS-TMC FM

ITS AT&T Wireless

가 , 가

가 가

가 (Cellular) , (:53 60KHz, : 1.2Kbps) . 1991

1990년, RDS

DARC (95)

DGPS · GPS

87.5 108MHz, 16Kbps

DARC RDS

1996년, FM DARC

FMSS(FM Sucarrier Inforamtion Service)

DARC (94 95)

1997년, DARC DAC

DARC (95) 1997

ITS 가 260m

가 FM DARC 5.8GHz

ITS 가

가 60m

(3) (DSRC) :Dedicated Short Range Communication)

DSRC ITS

1997년, DSRC

1996년, FM

가 10m

5.8GHz (5.85 5.925GHz)

DARC

SWIFT (System for Wireless Information and Forwarding Teledistribution)

가

가

가

1991년 ISTEA (Inter-modal Surface Transporta-tion Efficiency Act.)

DSRC

DSRC

ITS

가

가

가

가

가

가

2. 가 DSRC

ETC	5.8GHz		500/250Kbps	10m	260m
/ ETC			1Mbps	3 200m	60m
			1Mbps	3 200m	60m



: DSRC 가 , , , , , 가 , , ,) , , 가 . ITS 1968 12 .

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