

Current Status of VSC R & D in Japan

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Outline

- VSC R&D in Japan
- R&D by Governmental Agencies
 - ASV (under control of MLIT)
 - AHS (under control of MLIT)
 - ITS Forum (strong relation with MIC and ARIB)
 - AIST and JARI/ ITS-C (under control of METI)

MLIT: Ministry of Land, Infrastructure and Transportation

ITS Forum: ITS Info-Communications Forum

MIC: Ministry of Internal Affairs and Communications

ARIB: Association of Radio Industries and Businesses

AIST: National Institute of Advance Industrial Science and Technology

JARI: Japan Automobile Research Institute

METI: Ministry of Economy, Trade and Industry

Interests in VSC

Government	ITS related System	RVC	IVC
NPA	UTMS	(X)	
MLIT	ASV		X
	AHS	X	
MIC	ITS Forum		X
METI			X

NPA: National Police Agency

UTMS: Universal Traffic Management System

ASV: Advanced Safety Vehicle

AHS: Advance cruise-assist Highway System

Histories of VSC Research

- METI group
 - Early 1980s, Background of CACS in 1970s
 - IVC with Infrared: since 1994, Demo in 1997
 - IVC with 5.8 GHz DSRC: since 1997, Demo in 2000
- MLIT group
 - RVC: since 1998, Demo in 2000
 - IVC: since 2001, Demo in 2005 (planned)
- MIC group
 - IVC: since 1998

Cooperation among Bodies

- Measurement of Propagation
 - On test track in 2004
 - ASV + ITS Forum + JARI/ ITS-C
 - Media: 5.8 GHz, 2.4 GHz, 100 MHz
- Standardization Work
 - Domestic Std. (ARIB Std.) by ITS Forum
 - ISO/TC204 by JARI/ ITS-C
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