SPECIAL SESSION 13 Progress of Cooperative System in Different Regions

# **ITS Policy in Japan and Smartway**

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### **Building a common infrastructure**











Diversification of services with a common infrastructure 🔮 国土交通省











Strategic Headquarters for the Promotion of an Advanced Information and Telecommunications Network Society (IT Strategic Headquarters; founded in January 2001 under the IT Basic Law)

IT Strategic Headquarters, the government's decision-making institution regarding IT policy, is directed by the Prime Minister and consists of related ministers and experts.



### Smartway public road testing on the MEX (FY 2007-)



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# Smartway public road testing on the MEX (FY 2007-)<sup>坐</sup> 国土交通省

#### Scale of testing

Participating companies: 11 carmakers 18 manufacturers of on-board units and appliances 6 experts 40 vehicles used in testing Testing began: May 14, 2007 Total number of trips: 2,522 as of December 10, 2007

### **Matters verified**

- [1] System functions
- [2] System efficacy based on vehicle behavior
- [3] System efficacy based on driver responses to questionnaires

#### **Results of testing**

- OWith safety-related services (providing information on obstacles ahead, merging assistance, and map-linked service), we confirmed through the analysis of vehicle operation data that vehicle behavior became safer.
- OIn a questionnaire survey by general monitors, most respondents found the services to be effective; and there were no negative reactions, confirming the safety of the services.

#### Equipment and devices used in testing



ITS on-board units linked to car navigation systems



Stand-alone ITS onboard unit





Countermeasures for snowy and icy roads using Smartway (FY 2008-) 望国土交通省





Using cooperative vehicleinfrastructure ITS technologies to collect and supply vehicle behavior data



# Support for effective route selection using Smartway (FY 2008-学国土交通省



## List of Smartway test locations (FY 2008-)



Beginning in fiscal year 2008, testing is being expanded to various other areas besides the main focus of Tokyo. Services based on the characteristics of each region will be tested.



## **Promoting the spread of Smartway services:**



1. Development of speech-only on-board units

**On-board units for the realization of Smartway services** 



# **Promoting the spread of Smartway services:**



### 2. Unification of on-board unit formats



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### 3. Advancement of VICS



# Thank you



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