



31 May 2005 VSC International Workshop
at Volkswagen AG Kundencenter
Hannover, Germany

ASV-3 IVC Meeting 2005

Demonstration and International Symposium for IVC

Organized by The Ministry of Land, Infrastructure and Transport

Kazumitsu Kushida

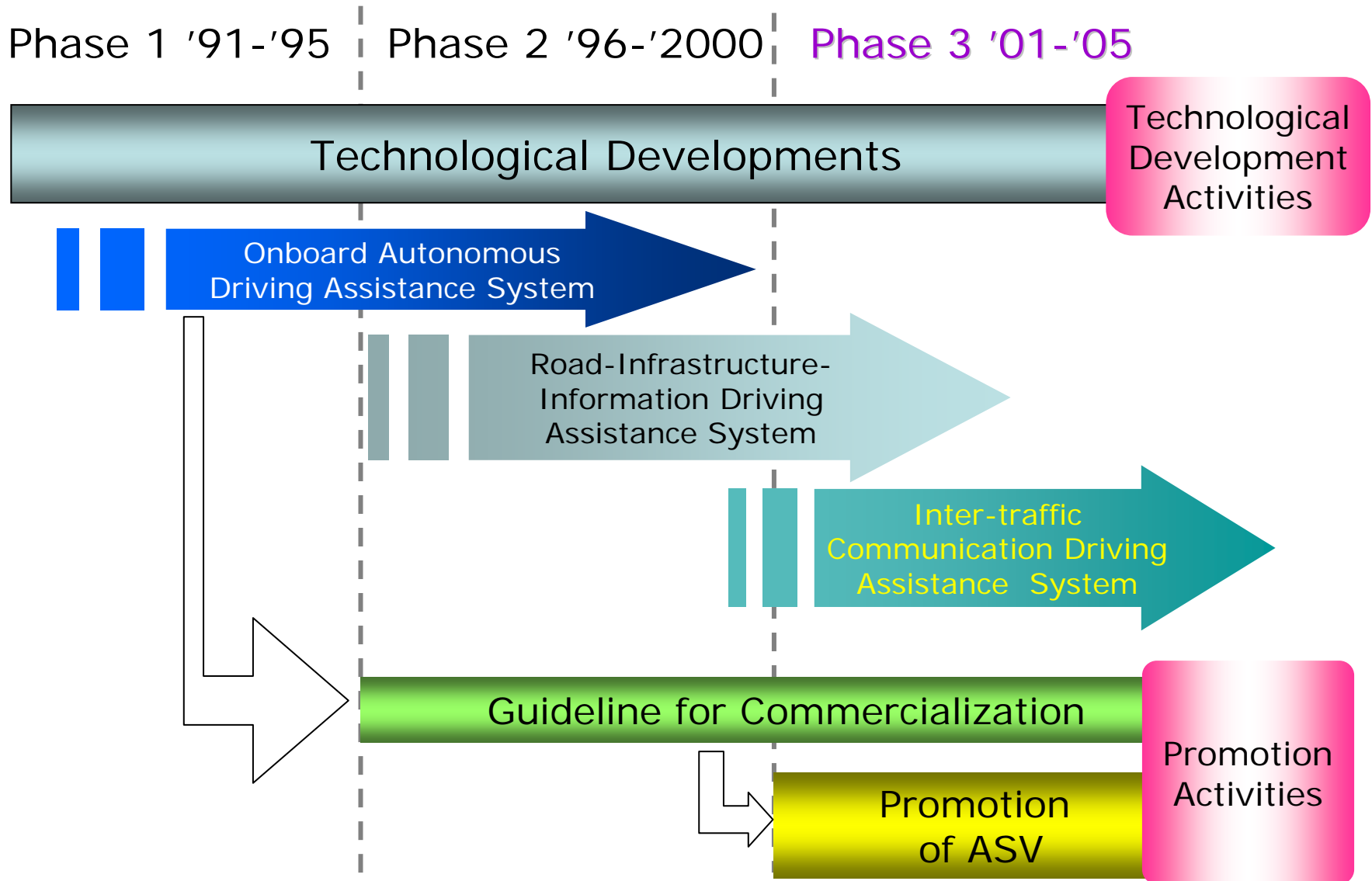
Subcommittee of Next Generation Technology

Study Group for promotion of ASV

Honda R&D Asaka Center

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ASV-3 project researched feasibility study

- ◆ The seven types of accident were extracted that
 - Top four fatalities and injuries obtained from the accident statistics
 - Three types of accident from a social point of view

- ◆ Accident reduction is estimated by Inter-traffic Communication Type Drive Assistance Systems
 - fatalities: ca9,220/y to ca2,500/y
 - serious injuries: ca72,000/y to ca25,000/y
- ◆ Fundamental investigation has been implemented
 - to evaluate the characteristics of the radio wave propagation in five frequencies

150MHz,	2.4GHz,	5.8GHz :	field test and simulation
700MHz,	1.7GHz	:	simulation

- ◆ Radio frequency for the IVC is still under discussion

Top fatalities and injuries

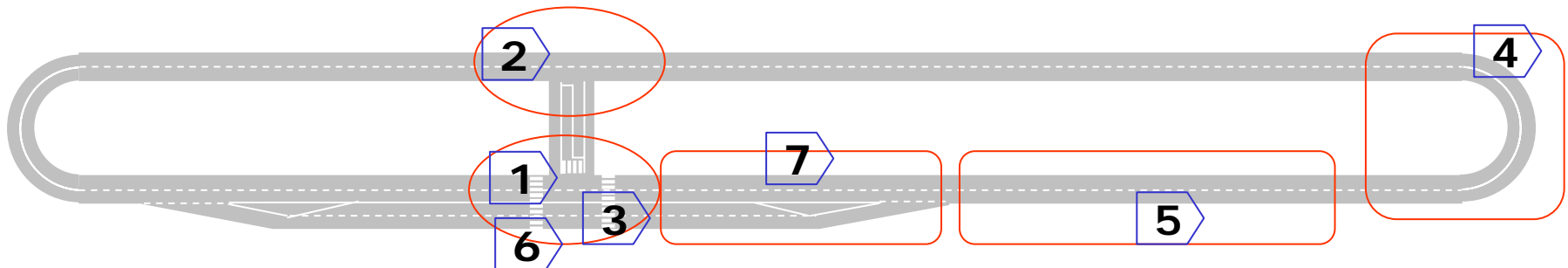
1. Right turn collision
2. Intersection collision
3. Pedestrian collision
4. Head-on collision

Social attention

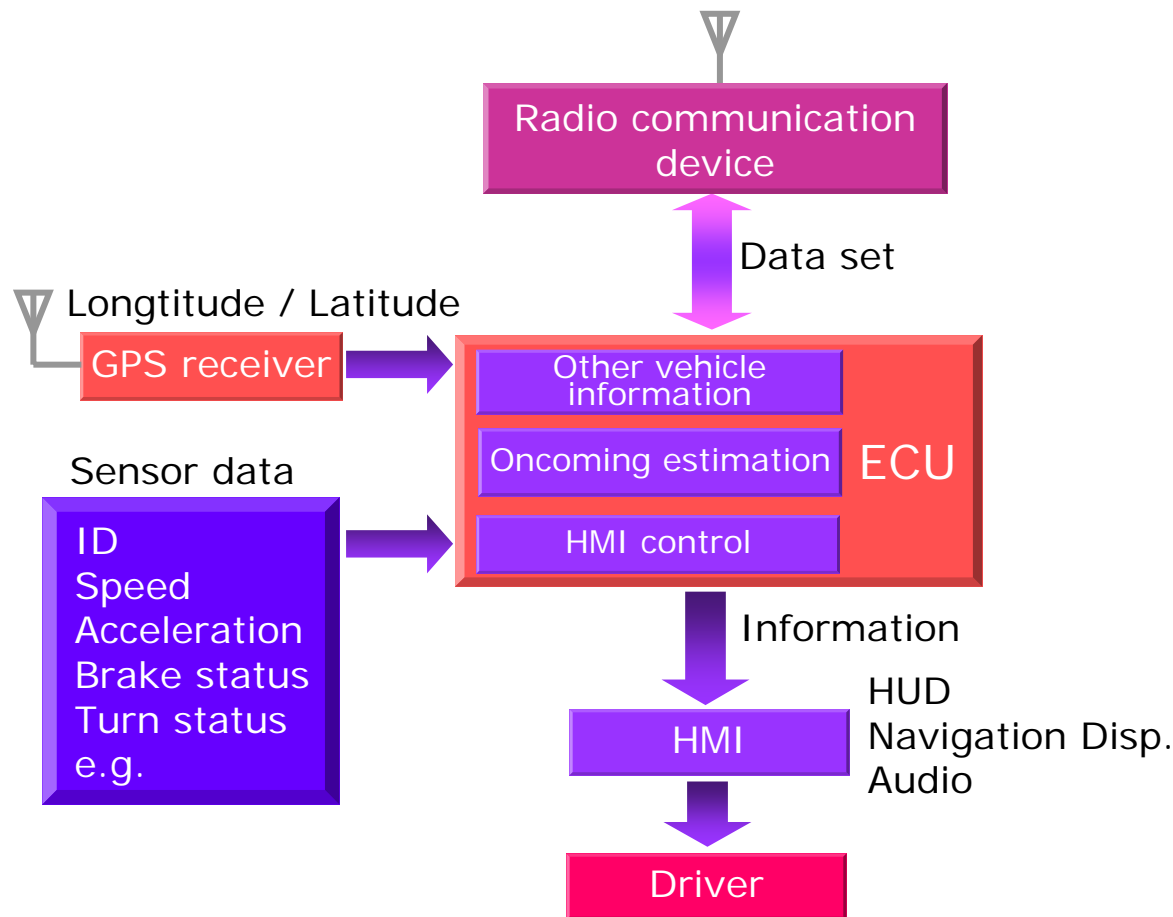
5. Rear end collision
6. Left turn collision
7. Lane change collision



Inter-traffic Communication Driving Assistance System



Typical On-board Unit



Experimental Vehicles

Passenger car

Toyota
Nissan
Honda
Mazda
Suzuki
Subaru
Daihatsu
Mitsubishi

Motorcycle

Honda
Yamaha
Suzuki
Kawasaki

Truck / Bus

Isuzu
Hino
Fuso
Nissan Diesel

Demonstration course layout and condition



1

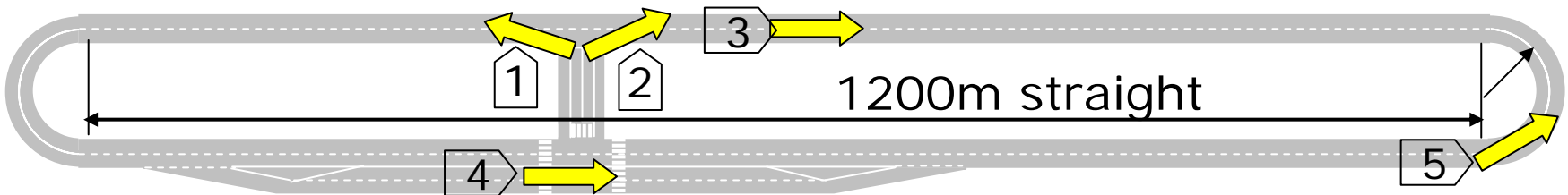


2



3

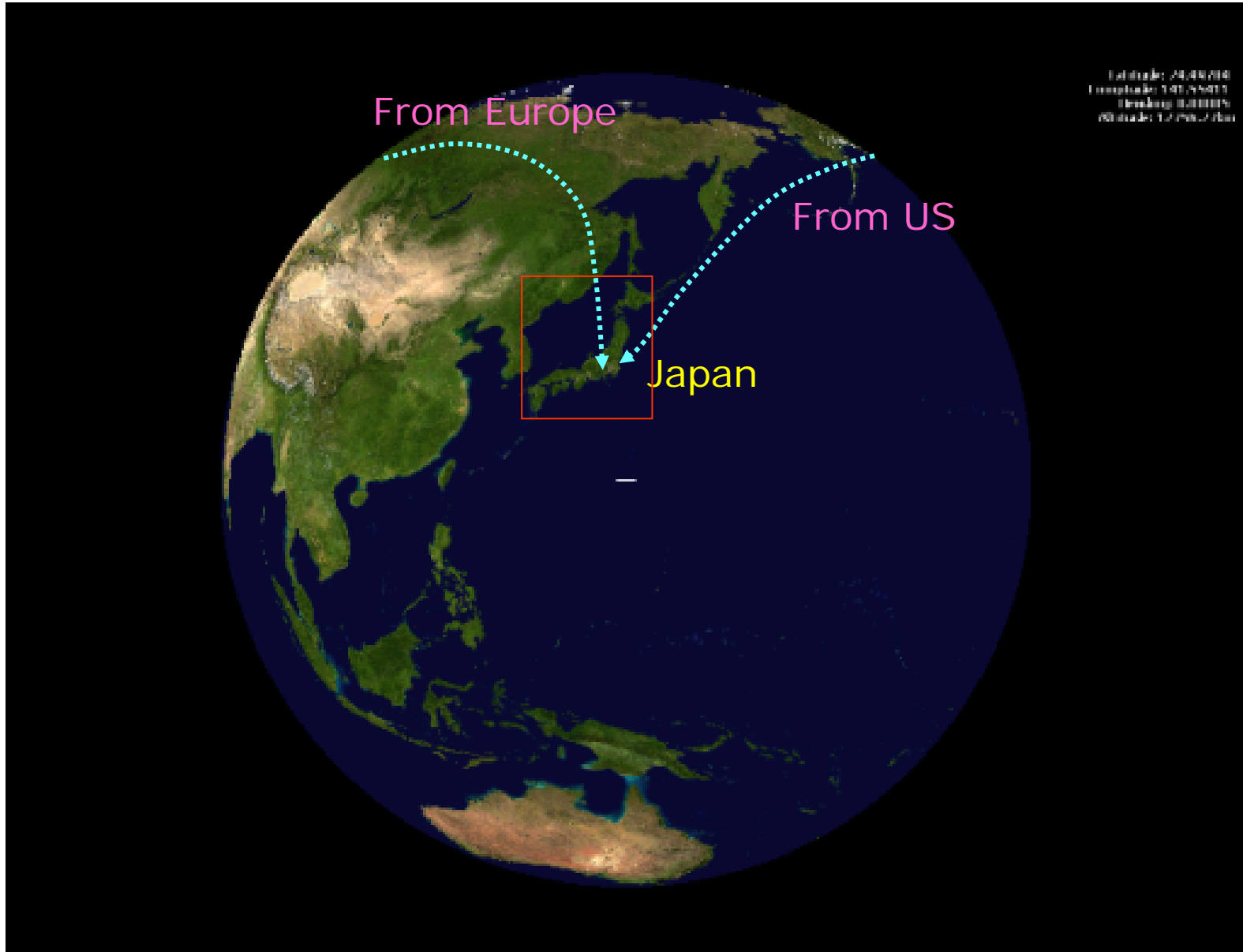
R50m curve



4



5







Demonstration



Date: 12-13 Oct.'05

Time: 9:00 to 17:00

Purpose:

- To experience the effectiveness of each system applications
- To confirm the driver's acceptability of the system

Number of vehicles:

18 vehicles with the system

Passenger car 10

Motorcycle 4

Truck/Bus 4

Place : **Cold district research test course**

The Civil Engineering Research Institute of Hokkaido
Tomakomai city, Hokkaido, Japan

International Symposium Date: 14 Oct.'05

Time: TBD



Purpose:

- International publicity of results of ASV-3 project
- International harmonization with the other IVC related consortiums

Scale:

Number of participants : 200

Place : **Grand Hotel New Oji Convention Hall**
Tomakomai city, Hokkaido, Japan

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1. Opening

- Forecast IVC trend

2. Current status in Japan, Europe and US

- Japan
- Europe
- US

3. Application

- Active safety
- Convenience
- Prove car

3. Standardization

4. Penetration

5. Prospect to the future

6. Closing



Please participate in
The ASV-3 IVC Meeting 2005*
event by all means

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Organizer

The Ministry of Land, Infrastructure and Transport

Collaborative research

Japanese 14 Automotive Manufacturers

International symposium liaison

ITS Info-Communication Forum, Japan

*Tentative title