



ITS-Safety2010

2008 Implementation Plan for Large Scale Field Operation Testing

ITS Promotion Council

April 10, 2008

Purpose of LSFOT

(LSFOT : Large Scale Field Operation Testing)

Up until now, work on “Safety Driving Support Systems through Infrastructural Cooperation” has been performed independently by different supervisory groups within each of the relevant ministries; however, in order to accelerate the pace of initiatives aimed at achieving practical application of these systems, it is crucial that government and the private sector work together in a comprehensive manner in constructing an optimal system.

Therefore, as discussed in the government’s “New IT Reform Strategy”, by 2008 the government and the private sector are to conduct LSFOT of Safety Driving Support Systems in order to both verify the effectiveness of different services and systems and to allow for a quantitative evaluation of the degree to which these systems contribute to a reduction in traffic accidents.

Based on the results of this testing, Safety Driving Support Systems will begin being implemented throughout Japan in 2010, starting in areas with high incidences of traffic accidents and expanding outward.

About LSFOT

- **2007 Pre-Testing**

System function checks and modifications carried out within the relevant main groups and regions

- **2008 LSFOT**
Joint FOT (Tokyo)

Utilization of infrastructural equipment based on uniform specifications to check compatibility between different makers' vehicles; to verify the effectiveness and receptiveness of system applications; and to use this testing to promote widespread awareness amongst the general public

Regional FOT (Tochigi Prefecture, Kanagawa Prefecture, Aichi Prefecture, the Keihanshin region, Hiroshima Prefecture, etc.)

Carry out testing which takes into consideration the characteristics of different regions and which is aimed at constructing a more advanced system for widespread practical application starting in 2010.

Specific Results sought from LSFOT

Confirmation of systems to be implemented nationwide from 2010

(1) Individual systems

- Effectiveness (including human-machine interface and driver receptiveness)

(2) Relationship amongst systems

- Mutual connectivity

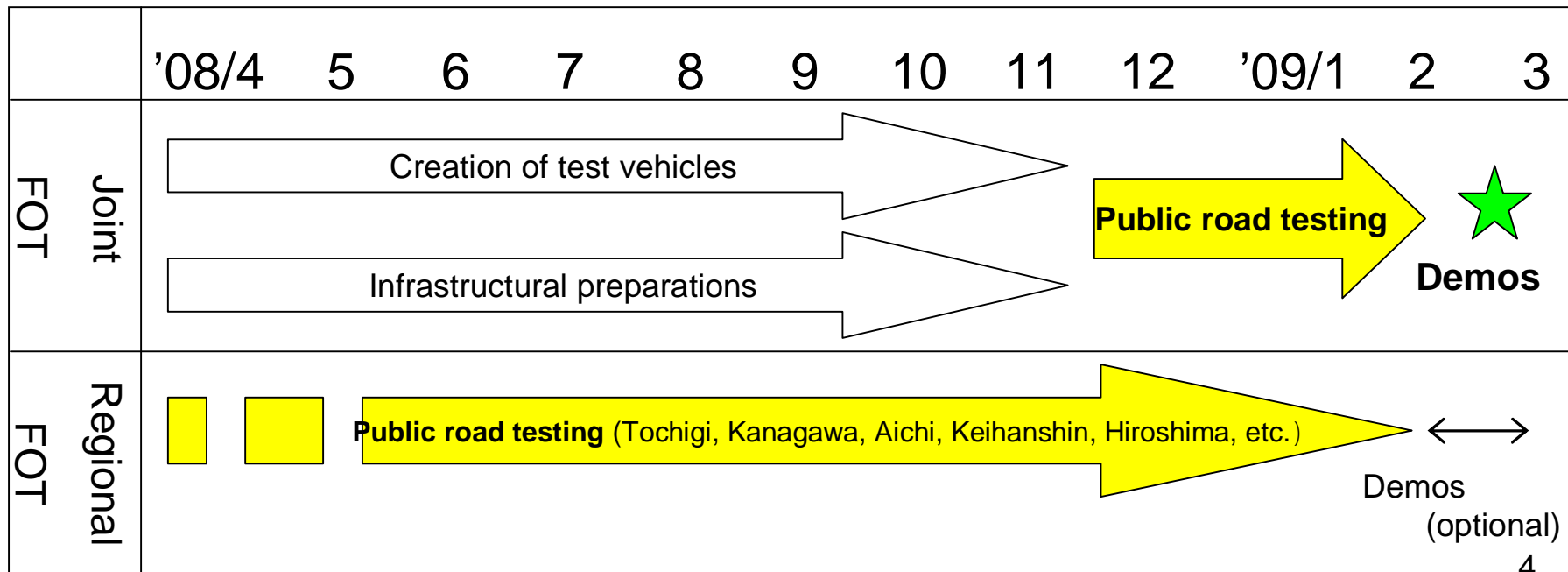
Creation of widespread awareness amongst Japanese of “Safety Driving Support Systems through Infrastructural Coordination” (Joint FOT)

- Widespread awareness of what safety driving support systems have to offer, including for road-vehicle communication, vehicle-vehicle communication, general roads and highways

Overview of LSFOT

Joint FOT and Regional FOT will be carried out over a fixed period of time, based on the respective preparation schedules, and will include [testing on public roads](#), technological verification testing, etc. In addition, part of the joint testing will include [demonstrations](#) for the general public and members of the media in order to increase awareness.

<Schedule>





Joint Field Operation Testing

[Joint FOT] Overview of Public Road Testing

<Overview of Public Road Testing>

Testing Period

- December 2008 (roughly) – March 2009

Location

- Tokyo Metropolitan Expressway, general roads in and around the Tokyo Waterfront City

Government Ministries and Agencies

- Cabinet Secretariat; National Police Agency; Ministry of Internal Affairs and Communications; Ministry of Economy, Trade and Industry; Ministry of Land, Infrastructure, Transport and Tourism

Participating Companies, Organizations, etc. (scheduled)

- Automotive manufacturers, electronics manufacturers (still finalizing specific companies)
- UTMS, ASV Promotion Committee, ITS Info-communications Forum, ITS Japan-related groups and organizations, etc.

Test Systems

- Refer to the following page

Testing Participants

- Drivers and passengers designated by the individual companies participating in testing

[Joint FOT] Application Systems

Application Systems (scheduled)

Road-vehicle communication systems for general roads

- (1) Right-turn collision prevention systems
- (2) Rear-end collision prevention systems
- (3) Head-on collision prevention / Failure to stop prevention systems...etc.

Road-vehicle communication systems for the Tokyo Metropolitan Expressway

- (1) Foreword obstruction information notification systems
- (2) Foreword conditions information notification systems
- (3) Merging assistance information notification systems

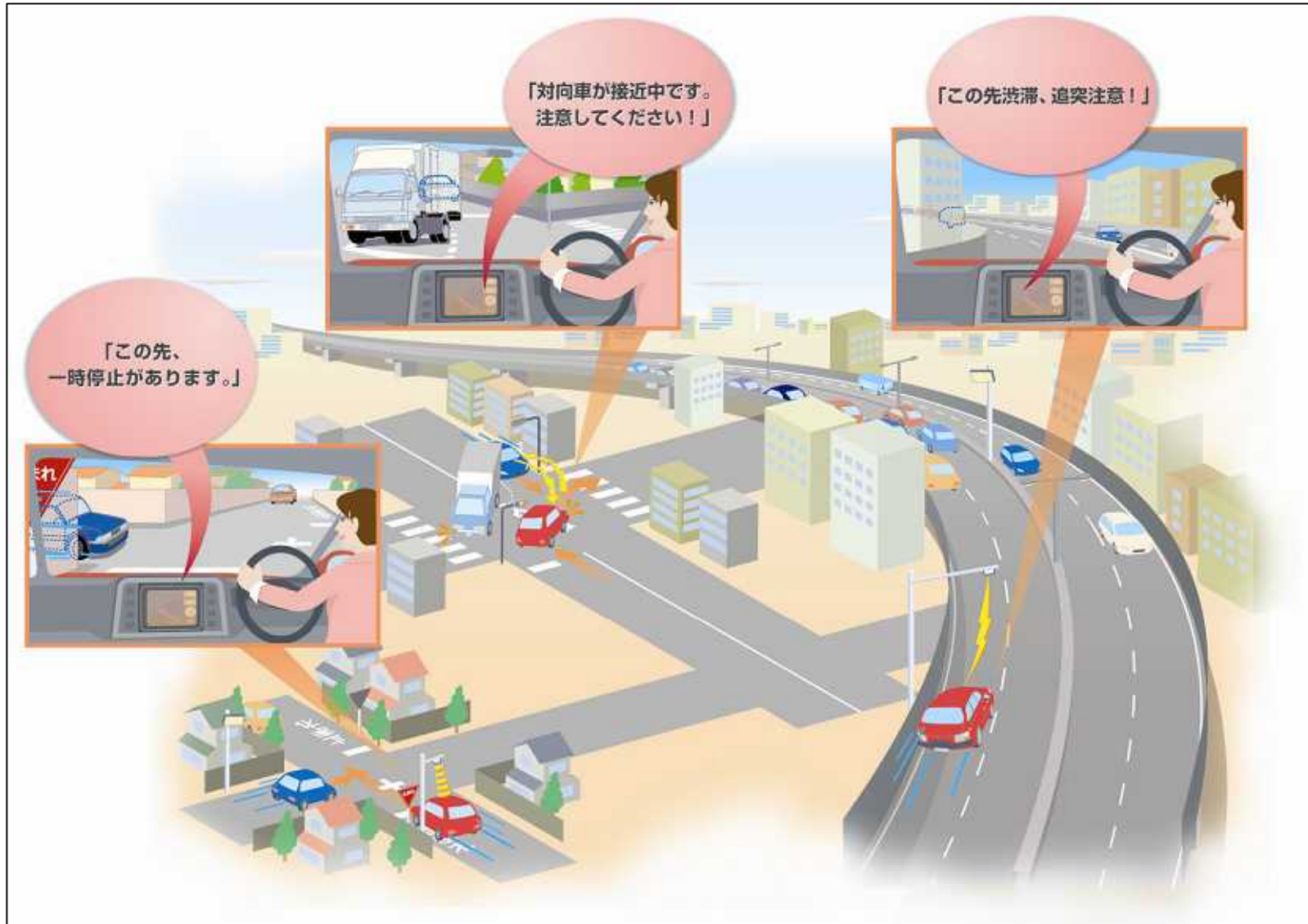
Vehicle-vehicle communication systems

- (1) Rear-end collision prevention systems
- (2) Head-on collision prevention systems
- (3) Right-turn collision prevention systems
- (4) Left-turn crash prevention systems
- (5) Emergency vehicle information notification systems

Linking systems

- (1) Linkage between road-vehicle communication systems for general roads and road-vehicle communication systems for the Tokyo Metropolitan Expressway
- (2) Linkage between road-vehicle communication systems for general roads and vehicle-vehicle communication systems

[Joint FOT] Conceptualization of Joint FOT



[Joint FOT] Overview of Demonstrations

<Overview of Demonstrations>

Demonstration Period (scheduled)

- February 25 (Wed) – 28 (Sat), 2009

Organizer

- ITS Promotion Council

Content of Demonstrations (details have not been finalized)

1) Test rides

- Members of the media and the general public will be allowed to ride in the test vehicles

Creation of a variety of test-riding courses to include all or some of the road-vehicle communication systems for general roads, road-vehicle communication systems for the Tokyo Metropolitan Expressway, and vehicle-vehicle communication systems

2) Awareness-raising events

- Introduce Safety Driving Support Systems, etc., through such events as symposiums and exhibitions

Location

- The test-riding courses will include the Tokyo Metropolitan Expressway and general roads in and around the Tokyo Waterfront City
- The awareness-raising event venues will be the *Miraikan* [National Museum of Emerging Science and Innovation] and the surrounding parking lot

*The Tokyo Metropolitan Government and others are scheduled to assist with the implementation of these demonstrations.

[Joint FOT] Area Map of the Demonstration Venue



(Tokyo Waterfront City)