



June 4, 2019

Bureau of Science, Technology and Innovation
Cabinet Office

Participants to FOTs in the Tokyo Waterfront Area are decided.
~ Cross-Ministerial Strategic Innovation Promotion Program ~
Innovation of Automated Driving for Universal Services (SIP-adus)

SIP-adus decides a total of 28 institutions, including domestic and foreign automobile manufacturers, suppliers, universities and other organizations as a participant in field operational tests (FOTs) in the Tokyo Waterfront Area. The FOT is conducted on public roads such as general roads and metropolitan expressways for the platform technologies related to the driving environment such as provision of signal information, merging support information, and etc. from traffic infrastructure.

1. Overview

In the second phase of SIP-adus, R&D on common issues (cooperative areas) to be addressed through industry-academia-government collaboration has been promoted to implement and deploy automated driving, in order to contribute to solving social issues (e.g., reduce traffic accidents and congestion, provide mobility for vulnerable road users, alleviate the shortage of drivers and reduce the cost of logistics/mobility services), and thereby improve the quality of life for all people.

As part of this initiative, SIP-adus will conduct FOTs of automated driving around the Tokyo Waterfront Area for the purpose to accelerate activities to solve issues related to technology, systems, and public acceptance and to promote deployment of a driving environment that can realize safer and more comfortable automated driving.

Since January 22 this year, NEDO, a management agency, had called for participants to the FOTs, and after selecting candidates of participants in late March, participants who had agreed to the conditions for participation in FOTs became a total of 28 institutions including domestic and foreign automobile manufacturers, suppliers, universities and other organizations. Around 100 automated driving vehicles from participants are expected to be used eventually for field operational tests under the traffic infrastructure constructed in the area. (Participants are shown in the attached sheet).

Related press release

Call for participant for FOTs in the Tokyo Waterfront Area

~ Cross-Ministerial Strategic Innovation Promotion Program ~ Innovation of Automated Driving for Universal Services (SIP-adus), January 22, 2019

https://www8.cao.go.jp/cstp/english/20190122_sipadus..pdf

FOTs in the Tokyo Waterfront Area ~ Cross-Ministerial Strategic Innovation Promotion Program ~ Innovation of Automated Driving for Universal Services (SIP-adus), November 13, 2018

https://www8.cao.go.jp/cstp/english/20181113_sipadus.pdf

2. Overview of the FOTs in the Tokyo Waterfront Area

1) Schedule of the FOTs

It is scheduled to conduct FOTs in the Tokyo Waterfront Area during FY2019-2022, which will be divided into 2 terms as follows.

-First term: FY2019- 2020

-Second term: FY2021-2022

This announcement is related to the first term of the FOTs which is planned to be started after October 2019, as soon as traffic infrastructure is prepared.

2) FOTs overview

SIP-adus will construct traffic environment for providing signal information and other traffic information from traffic infrastructure, and develop high definition 3D maps in the dynamic maps, etc. in the Tokyo Waterfront City area, Haneda Airport area, and Metropolitan Expressway that connects Haneda Airport and the Waterfront City area. Especially, in Haneda Airport area, magnetic markers, provisional bus stops and dedicated lane etc. for the next generation public transportation system will be provided. On Metropolitan Expressway Routes, traffic environment will be built to provide support information for merging with the metropolitan expressway main lane and for passing through ETC gates.

Participants are requested to prepare automated vehicles applicable to the FOTs environment and drivers responsible for driving the vehicles in the FOTs. The participants are also requested to obtain and analyze test data and report the test results to the SIP-adus.

SIP-adus will request the participants to report the results of the FOTs at opportunities for disseminating information by cabinet office and relevant agencies/ministries, and attend and contribute to the meetings to discuss technical specifications of infrastructure and any technical and implementation issue.

<Contact information>

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About the call for participants
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(NEDO)

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Website for SIP-adus
<http://www.sip-adus.go.jp/>

NEDO
<https://www.nedo.go.jp/>

Participant institutions

AISAN TECHNOLOGY CO., LTD.
BMW Japan Corp.
Bosch Corporation
Chubu University
Continental Automotive Corporation
Daihatsu Motor Co., Ltd.
Epitomical Limited
Field auto Inc.
Hino Motors, Ltd.
Honda R&D Co., Ltd
JTEKT Corporation
Kanazawa University
Mazda Motor Corporation
Meijo University
Mercedes-Benz Japan Co., Ltd.
MITSUMISHI ELECTRIC CORPORATION
Mitsubishi Motors Corporation
Nagoya University
Nissan Motor Co., Ltd.
Saitama Institute of Technology
SB Drive Corp.
Sompo Japan Nipponkoa Insurance Inc.
Subaru Corporation
SUZUKI MOTOR CORPORATION
Tier IV, Inc.
TOYOTA MOTOR CORPORATION
Valeo Japan Co. Ltd.
VOLKSWAGEN Group Japan KK.

A total of 28 institutions

(note) As of May 31, 2019. In alphabetical order