

## Abstract

Cross-ministerial Strategic Innovation Promotion Program (SIP) Phase Two has been promoting research development for implementing and commercializing automated driving. To set it forward, SIP Phase Two established “2020 Tokyo Waterfront City Area Field Operational Test Taskforce (2020 Tokyo Waterfront City Area FOT Taskforce)”. It supports the commercialization by advancing discussions aiming at clarifying technical and institutional problems, finding their solutions and arranging an environment for field test. This field operational test is scheduled to conduct the tests of (1) traffic signal information provision technologies (2) automated driving support technologies that use road-to-vehicle integration on highways and (3) infrastructure collaboration of next-generation public transport systems. These tests require the technologies of next-generation public transport systems and traffic signal information provision, both of which had been studied under Next-Generation Urban Transport WG and System Implementation WG of SIP Phase One, and the ones studied under the joint research of National Institute for Land and Infrastructure Management regarding technology development for commercializing next-generation cooperative ITS. Therefore, many stakeholders have to cooperate.

In FY 2018, this study firstly evaluated the above three field operational tests from the standpoints of infrastructure, vehicle and surrounding environment and formed hypotheses of evaluation items. Then, it sorted out the stakeholders for the confirmation of validity and other details on these hypotheses, conducted interviews and developed draft plan for the test.

In FY 2019, this study developed the revised implementation plan and based on it to recruit participants of test. On the basis of information acquired through the recruitment (e.g., discussion and interview with stakeholders, questions and answers among participants, and application results), it evaluated the validity of test’s draft plans, and improved them. Also, this study held surveys regarding the publicity aiming at fostering social acceptance.

Results of these works were reported to the concerned ministries and organizations on a timely basis at 2020 Tokyo Waterfront City Area FOT Taskforce and Tokyo Waterfront City Area FOT Taskforce, which were held in eight times in total.