Summary of SIP-ADUS project (FY2015)	
Name of the project	Basic Research on Requirements for Safety and Reliability of Automated Driving System
Responsible Organization	Ministry of Land, Infrastructure, Transport and Tourism
National Traffic S	Safety and Environment Laboratory
Object of the Project	
the on-board diagnostics (OBD) a the state of the OBD and the EE expected to be the basic system	he to secure safety and reliability of the automated driving system. Therefore, it is considered about introducin and the event data recorder (EDR) as the devices for securing safety and reliability of this system. In this stuc DR which are installed in the advanced driving assistance system (ADAS) is investigated, because the ADAS of the automated driving system. Moreover, the comprehensive concept for introducing the OBD and the ED is proposed based on results of investigations in this study.
manufacturers).The investigation about the s	specification differences of the ADAS based on the composition differences of sensors (Target: 12 castate of the OBD and the EDR which are already installed in the ADAS (Target of the investigation about): 27 vehicles / 8 car manufacturers).
	hensive concept of the OBD and the EDR in case of introducing into the automated driving system which 4 based on results of above-mentioned investigations.
 have the function to diagnose to external causes (weather compared driving system equal with or more than the grant of the always diagnose where the system can introduce into the automated of the current EDR, theses data wadd or prepare the function where the function where the system can be functed to be a system can be called a system can be called a system to the automated of the current the current the function where the function whe	about the state of the OBD which is already installed in the ADAS, it is confirmed that many vehicles alread that sensors for the ADAS cannot operate normally by not being able to be received input data normally owir onditions etc.) apart from the normal diagnosis of malfunctions. which is categorized as level 4 is needed the function to always diagnose whether the system can drive safed good driver. On the other hand, the automated driving system which is categorized as level 3 is needed the nether the system falls into the emergency situation in which the system transfer the authority of driving to the not drive owing to the function limits. There is a possibility that these diagnosis function which are needed to driving system will be realized by developing the above-mentioned function of the current OBD. quacy of the operating state of the automated driving system in traffic accidents by using the recorded data would be not enough to do that in terms of the record items, the record timing, the accuracy etc. It is needed to hich can always record the data of the vehicle behavior which should be measured to diagnose the propriety of hage data which is recorded traffic environments outside of the vehicle synchronously in the EDR of the

Future plan