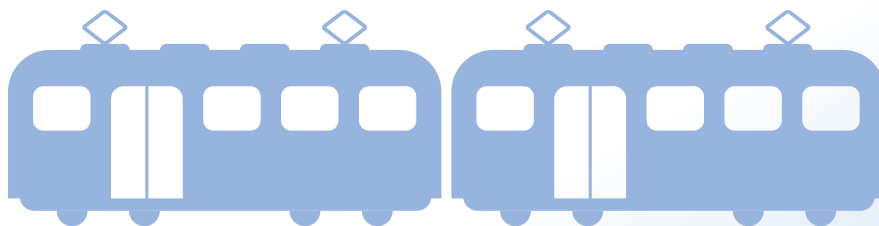


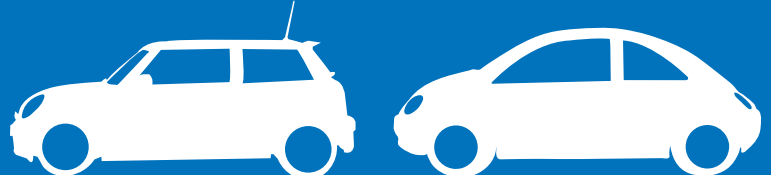
Service Guide



National Agency for
**Automobile and
Land Transport Technology**



The National Agency for Automobile and Land Transport Technology (NALTEC) contributes to the realization of a world in which transportation is safe and environmentally friendly.



History of establishment

NALTEC was established through the integration of two Independent Administrative Agencies, the National Agency of Vehicle Inspection and the National Traffic Safety and Environment Laboratory. Its objectives are to secure a safe and environmentally friendly transportsystem through the generation of synergy from comprehensive measures from the design process and new vehicles to the usage process based on the Act to Partially Revise the Road Transport Vehicle Act and Act on the National Agency of Vehicle Inspection, Independent Administrative Agency (Act No. 44 promulgated June 24, 2015). At the same time, the confirmation vehicle registration check related to the compliance examinations of vehicle registration regulations performed by the government were transferred to NALTEC.

First-term mid-term plans

Accurate, strict, and fair implementation of duties

- Examinations of vehicle
(Standards compliance examinations for type approval)
(Standards compliance examinations for the usage stage)
- Vehicle registration confirmation check
- Technical verification for automobile recalls

Basic policies

- Establish and thoroughly implement strict and fair inspection methods
- Establish research and inspection for new technology and strengthen international communicativity

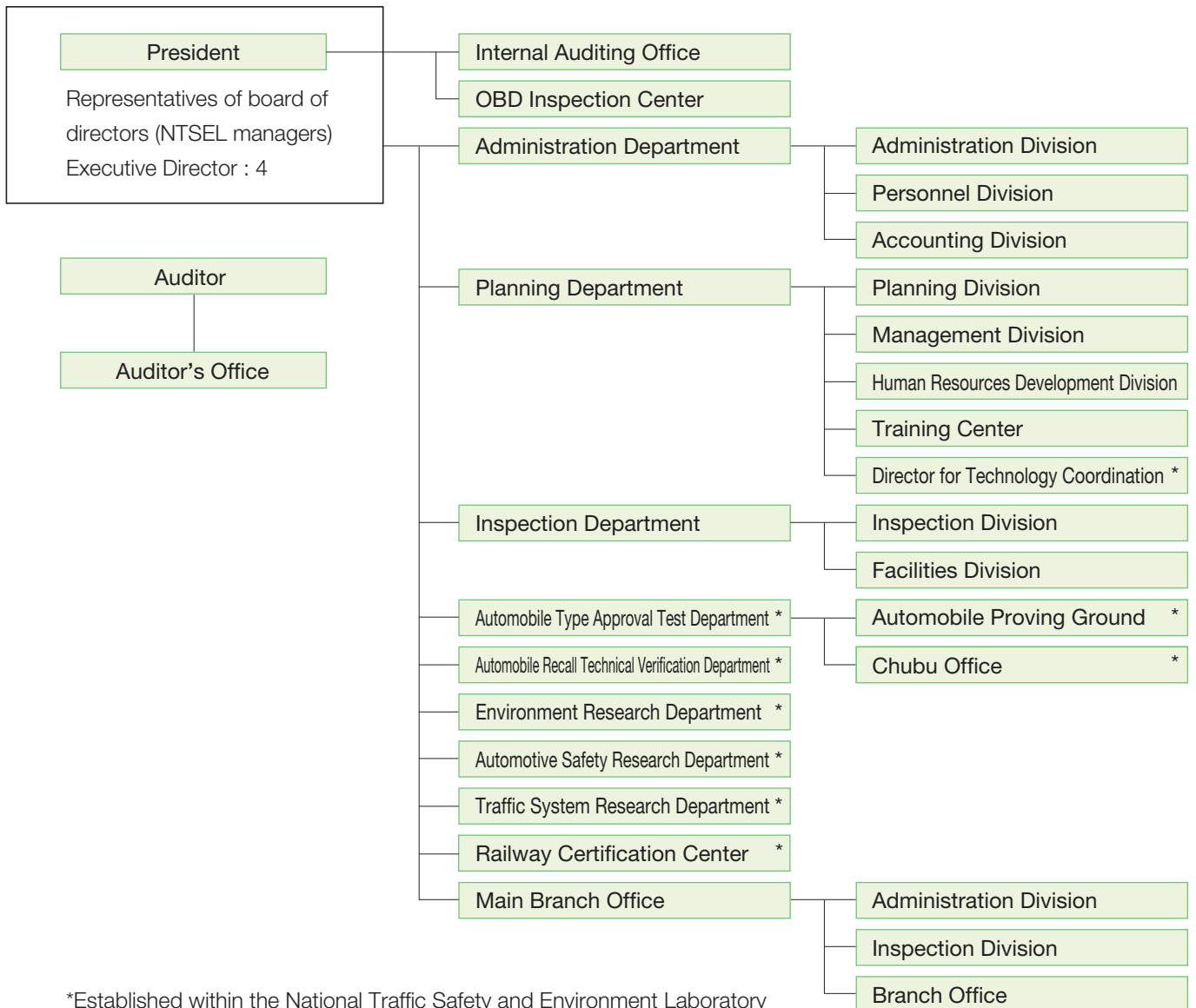
Support administrations that deal with new technology and social demands

- Produce high-quality research results
- Improvement and enhancement of vehicle examinations
- Improvement and enhancement of vehicle examinations of technical verification for automobile recalls

Support the international standardization of Japanese technology

- International standardization of automobile technology
- International standardization of railroad technology

Organizational chart



History

April 1950	The Transportation Technical Research Institute was established as a general technical research organization of the Ministry of Transport
April 1963	The Transportation Technical Research Institute was reorganized as the Ship Research Institute.
July 1970	Traffic safety and Nuisance Research Institute was established by way of separation from the Ship Research Institute.
January 2001	Due to realignment of central government agencies, the Traffic Safety and Nuisance Research Institute was placed under the control of the Ministry of Land, Infrastructure and Transport.
April 2001	Inaugurated as the National Traffic Safety and Environment Laboratory(NTSEL), an Independent Administrative Institute.
July 2002	Establishment of the National Agency of Vehicle Inspection.
April 2016	Establishment of the National Agency for Automobile and Land Transport Technology.(NALTEC) Transfer vehicle registration confirmation check to the conformity assessment of the registration regulation that Ministry of Land Infrastructure, Transport and Tourism is carried out to the NALTEC.

Comprehensive measures from automobile design to the usage stage (new results from the establishment of the organization)

NALTEC carries out comprehensive and unified measures for automobile technology, from design process (examinations during vehicle inspections and technical verification for recalls), and has measures and systems guarantee safety of Automobile usage. In addition, it is expected that communicate internationally safety and environmental measures that target the usage stage and Furthermore, we contribute to the promotion of the development and spread of innovative technology,

Design

Research to support the formulation of regulation



Use the actual conditions and technological information of automobiles to examine the content to be standardized and formulate plans for safety and environmental standards.

New vehicles

Type approval test



Prevent the distribution of faulty vehicles by carrying out regulations compliance examinations related to type approvals at test tracks and collision test facilities

NALTEC carries out comprehensive operations from design process and new vehicles to the usage

Expected results

Formulation of standards focused also on the usage stage and improvement of type designation examination methods

Technical information and knowledge during the usage process

Practical use at research sections

Promotion of the acquisition of international standards for Japanese technology by formulating highly effective standards and proposing international standards

Swift implementation of recalls

Vast amount of inspection information

Information sharing with recall verification sections

(research to support automobile regulations) and new vehicles (type approval test) to the usage systems that can tackle comprehensively the duties related to automobile technology. These knowledge and information gained through on-site work will strengthen the ability to propose and contribute to the international standardization of Japanese technology. such as fuel-cell automobiles and automatic traveling systems.

Usage process

Vehicle inspections



» Guarantee regulations compliance during the usage process by examining the regulations compliance of over 7 million cases per year at the 93 vehicle inspection station nationwide

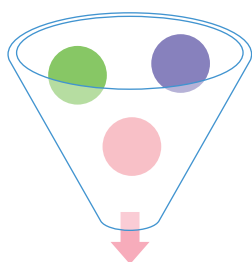
Technical verification for recalls



» Reject vehicles that do not comply with regulations by technically verifying the causes of vehicle defects and recall measures

stage and implements rapid and reliable measures to introduce new technology and discover defects.

based on relevant information



Analysis of failure rate for specific examination items

» Development of appropriate and efficient examination methods for innovative technology

Research of OBD* inspection methods



*OBD: On-board diagnostics

Comprehensively address various motor vehicle-related issues, including

Support to the government's policymaking and regulation development relating to safety and the environment through tests and studies



Experiment to evaluate the effect of the operation of information systems (car navigation, smart phones, etc.) on driving

Automotive Safety Research Department

By developing future safety regulations and technology evaluation methods in response to advanced and sophisticated new technologies such as automated driving systems and studying automotive safety issues from the driver's and pedestrian's perspective, we help to reduce safety risks in motor-vehicle traffic and create a safe and secure society.

To reduce the number of traffic accident fatalities, we conduct various surveys and studies on collision safety to minimize damage, preventive safety to avoid accidents, etc.

In addition, we propose improved methods for examining vehicles in maintenance and periodical technical inspection in response to new technologies.



Portable Emissions Measurement System

Environment Research Department

To solve various environmental issues and respond to environmental regulations and technologies which are growing more sophisticated and complicated, we conduct studies designed to develop standards, improve test methods, etc., and help prevent pollution.

To analyze issues and suggest solutions in an effort to combat global warming, reduce environmental load, promote energy saving, and diversify energy sources, etc. in the field of traffic policymaking, we conduct studies designed to promote environmentally-friendly traffic behavior and reduce environmental load by raising fuel economy standards, improving methods for calculating emissions of harmful substances and noise, etc.

Director for International Harmonization Promotion

Efforts to internationally harmonize automobile technical regulations have been made by World Forum for Harmonization of Vehicle Regulations (WP29) within the United Nations Economic Commission for Europe (UN-ECE). Japan has been actively working on the development and amendment of UN regulations and UN global technical regulations under the international agreements sponsored by UN-ECE/WP29.

To support the Japanese government's efforts, the Department joins a variety of meetings organized under UN-ECE/WP29 and actively proposes regulations and test procedures making best use of the results of its studies and type approval tests, and based on Japanese advanced automobile technology, thus contributing to promoting Japanese automobile technology as part of international regulations.

Prevention of the circulation of vehicles not compliant with regulations through type approval tests



Occupant protection test for head-on collisions

Automobile Type Approval Test Department

The Department is the only organization in Japan that certifies new vehicles' compliance with regulations from a neutral and fair standpoint under the Automobile Type Approval System.

Through the implementation of thorough type approval test, prevents the production and circulation of non-compliant vehicles, ensures public safety and security, and contributes to environmental preservation.

By improving its technological capabilities, the Department actively responds to increasingly sophisticated and complex automotive technologies as well as to new international frameworks surrounding motor vehicles.

Regulations compliance examinations for usage process



Top: Examination at inspection site; Left: Street inspection Right: Demonstration of OBD inspection

Inspection sections, regional inspection sections, and regional offices, OBD Inspection Center

Reliably, strictly, and fairly carry out standards compliance examinations (examinations during vehicle inspections) during the usage stage of automobiles.

Prepare the necessary equipment and facilities to carry out inspection work in accordance with examination work rules and engage in staff training and promotional activities aimed at examinees to understand the inspection work.

In addition, work to review specialist guides at regional offices and improve guidance displays to improve the safety and convenience of examinees.

Promote further measures for illegally remodeled automobiles by planning the efficient implementation of street inspections, which are in high social demand, in coordination with the Ministry of Land, Infrastructure, Transport and Tourism, while at the same time sharing information related to vehicles suspected of the dismantling of necessary structures and equipment.

We are preparing for management system of vehicle information related to OBD inspection and developing inspection methods utilizing OBD information in order to implement OBD inspection.

Comprehensively address various motor vehicle-related issues, including

▶▶ Faster and secure response to recalls through recall-related technical verification of motor vehicles



Experiment of unnecessary operation of the collision damage reduction brake

Automobile Recall Technical Verification Department

To ensure greater safety and security for automobile users, the Department verifies technical issues, especially whether the causes of defects are in the design or manufacturing process and contributes to make recalls promptly and thoroughly.

Further, to respond to sophisticated and complex vehicle technologies as well as those defects, the Department develops its technical capabilities, coordinates with other organizations at home and abroad, and enhances its operations.

▶▶ Registration confirmation check for automobiles



Advance confirmation of registration application materials

General affairs sections, regional inspection sections, and regional offices

Carry out confirmation inspection work related to compliance examinations for registered standards.

Ensure international coordination, including

▶▶ Provision of technical support for the promotion of Japanese railway technology as part of international standards



Railway Certification Center

In 2012, the Railway Certification Center was accredited as the first Japanese certification body in railway sector for conformity with international standards.

Through the certification activities based on ISO/IEC 17065 for conformity assessment, the Department contributes to international deployment of railway products and technologies.

The railway certification office is a product certification organization of the Accreditation System of National Institute of Technology and Evaluation, which received authorization from the National Institute of Technology and Evaluation International Accreditation Japan (IA Japan). Certification covers railway-industry RAMS drawing and specification certification and RAMS product certification.

Support local transportation systems, including

▶▶ Provision of technical support of technical assessment and standard development for transportation systems through tests and studies



Demonstration of Streetcar-to-Vehicle Communication ASV

Traffic System Research Department

To help ensure safe, secure, and stable operations for transportation systems such as railway and LRT (Light Rail Transit), the Department clarifies the causes of accidents, studies low cost and safer accident preventive measures, and conducts technical assessments of new systems and rolling stock, while promoting the use of public transportation, thus contributing to solving environmental issues.

Furthermore, works on general safety and environmental issues of land transportation, such as sustainable maintenance and revitalization of local transportation, safe and secure mobility of senior citizens and vulnerable road users, and technological coordination between motor vehicles and railways.

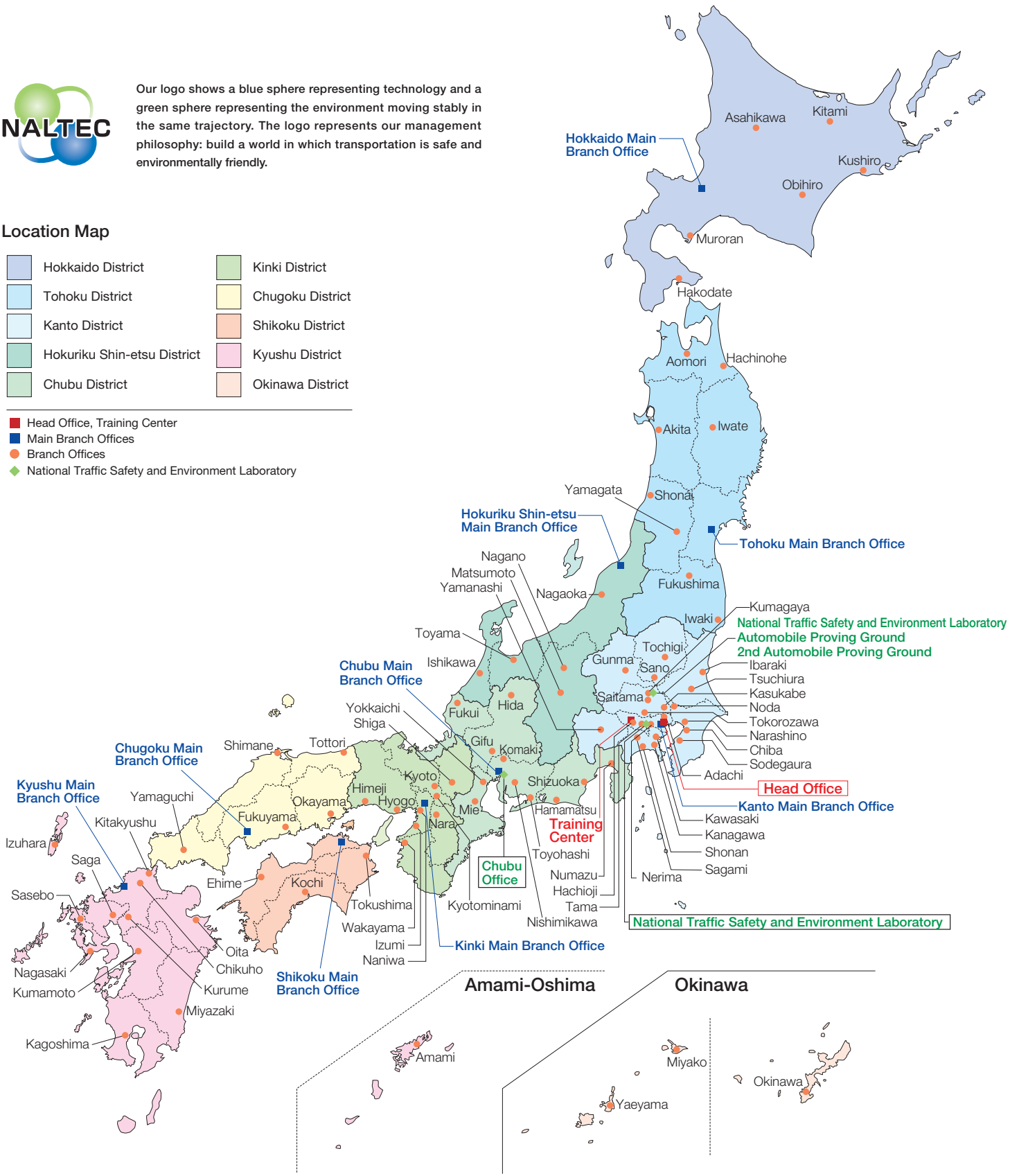


Our logo shows a blue sphere representing technology and a green sphere representing the environment moving stably in the same trajectory. The logo represents our management philosophy: build a world in which transportation is safe and environmentally friendly.

Location Map

- | | | | |
|--|-----------------------------|--|------------------|
| | Hokkaido District | | Kinki District |
| | Tohoku District | | Chugoku District |
| | Kanto District | | Shikoku District |
| | Hokuriku Shin-etsu District | | Kyushu District |
| | Chubu District | | Okinawa District |

- Head Office, Training Center
- Main Branch Offices
- Branch Offices
- National Traffic Safety and Environment Laboratory



National Agency for Automobile and Land Transport Technology

Head Office

Sumitomo Life Insurance Yotsuya Bldg. 4F,
4-41, Yotuyahonshio-cho, Shinjuku-ku, Tokyo, Japan
160-0003
TEL. +81-3-5363-3441 FAX. +81-3-5363-3347

National Traffic Safety and Environment Laboratory

7-42-27 Jindaiji Higashimachi,
Chofu-shi, Tokyo, Japan
182-0012
TEL. +81-422-41-3207 FAX. +81-422-41-3233