

# Title 1 Measures Regarding the Safety of Land Transport

## Chapter 1 Measures Regarding Road Transport Safety

### 1 Improvement of Road Traffic Environment

From the point of view of forming a traffic society that corresponds to the changes of an aging social population, protects children from accidents, and where the elderly can go outside both safely and with ease, efforts are being made to strengthen the people-prioritized improvement of road transport environment with guaranteed safe and secure pedestrian spaces such as the sidewalks in school zones, residential roads, and central roads in urban area.

Also, in regard to the improvement of road transport environment, systematic improvement is in progress for a safe road transport network where functions are properly shared from main high standard highways to district roads. In addition to controlling the inflow of passing traffic to residential roads, traffic safety facilities of sidewalks are improved in roads where it is especially necessary to ensure traffic safety. Based on this and the implementation of detailed traffic prevention measures that for instance promote effective traffic regulations, a safe road transport environment is created where car speeds are controlled and there is separation away from the heterogeneous traffic of vehicles, bicycles, and pedestrians are separated. Furthermore, with regard to the improvement of an environment of bicycle use, a social experiment is in effect for introducing "community cycle".

- (1) Improvement of people-first walking spaces offering safety and security (promotion of sidewalk improvement for school routes)
- (2) Encouragement of road network improvement and use of roads with high standards
- (3) Effective implementation of intensive traffic accident countermeasures in sections where the accident rate is high
- (4) Promotion of effective traffic regulations
- (5) Improvement of a residential road transport environment in collaboration with the local community
- (6) Promotion of accident prevention policies in national expressways
- (7) Application of high-speed road traffic system (ITS)
- (8) Improvement of a safe and secure bicycle use environment
- (9) Improvement of a smooth, comfortable and safe road transport environment
- (10) Promotion of traffic demand management
- (11) Promotion of comprehensive parking measures
- (12) Improvement of a road transport environment prepared for disaster
- (13) Improvement of a road transport environment that contributes to traffic safety

### 2 Dissemination and Reinforcement of Traffic Safety Messages

Traffic safety education policies are applied (National Public Safety Commission), and a phrasal and moreover systematic traffic safety education is put into place that caters to the psychosomatic developmental stage and lifestyle of everyone from children to adults. In addition to raising the traffic safety awareness of the elderly themselves, the characteristics of elderly people must be known to other generation, so that the elderly people are protected, and education for growing awareness of consideration for the elderly is strengthened. Furthermore, guidance is strengthening in relation to the safe use of bicycles for elementary, junior high and high school students who use bicycles frequently; and this becomes a foundation for the education of future drivers.

- (1) Promotion of a phrasal and systematic traffic safety education
- (2) Promotion of effective traffic safety education
- (3) Promotion of awareness-raising activities concerning traffic safety
- (4) Promotion of voluntary activities of private organizations concerning traffic safety
- (5) Promotion of resident participation and collaboration

### 3 Ensuring Safe Driving

In order to ensure safe driving, it is necessary to improve the ability and quality of drivers. Therefore, efforts are made to enhance driver education not only for drivers but also for persons who are seeking to acquire a driver's license. In particular, attention is being focused on augmenting education for elderly drivers, whose number is expected to increase greatly in the future. Necessary improvement will be made for the driver's license system that takes into consideration the recent traffic conditions.

In addition, future changes in the vehicle transport industry must be focused on and emphasis is placed on the responsibility and role of businesses to promote the voluntary safe driving management measures and augment the safety measures for vehicle transport operations. Furthermore, initiatives for preventing traffic labor accidents are in progress, the "Transport Safety Management System" is being augmented, and effort is made on the further improvement of safety.

- (1) Augmentation of driver education
- (2) Improvement of driver's license system
- (3) Promotion of safe driving management
- (4) Augmentation of safety policies of vehicle transport operators
- (5) Prevention of traffic labor accidents
- (6) Augmentation of information provision concerning road traffic

### 4 Ensuring Vehicle Safety

As measures for advancing decreasing number of fatalities and injuries in the future, adding to the evolution and maturation of victim mitigation measures that have been effective up until now, efforts are being made to apply and augment advanced technology with regard to preventive safety measures that prevent accidents. Also, in order to promote vehicle safety measures, regulations and inductive policies must be collaborated comprehensively and effectively; not only are safety-related standards expanded and strengthened, but policies that promote development of safe vehicles by auto manufactures and research institutes, and policies that promote users choices for safe cars should be properly implemented with each step from basic research to actual use and dissemination. Furthermore, in order to reduce the possibility of accidents resulting from defects, proper maintenance management for vehicles by the user is being promoted.

- (1) Promotion of improvement of standards relating to vehicle safety
- (2) Promotion of the development and dissemination of advanced safety vehicles (ASV)
- (3) Provision of automobile assessment data
- (4) Augmentation of vehicle inspection and maintenance
- (5) Enhancing and strengthening the recall system
- (6) Ensuring bicycle safety

### 5 Improvement of Rescue and Emergency Medical System

In order to rescue the injured people from car accidents and minimize the damage, the collaboration between the fire department, medical institutions and related organizations is strengthened so as to respond swiftly to road traffic accidents including national highways. Augmentation is also being made to the educational training of emergency personnel, emergency systems and emergency medical treatment systems.

Moreover, in order to particularly improve the rescue rate and effect of injured person, a system is improved that makes it possible to offer swift and moreover advanced emergency medical care and first-aid treatment of emergency staff including doctors, nurses and emergency response personnel at the emergency site or while being transported to a medical facility. First-aid treatment awareness-raising activities are also being promoted to the public.

- (1) Improvement of rescue and emergency system
- (2) Improvement of emergency medical treatment system
- (3) Ensuring a cooperative relationship among emergency-related organizations

## Chapter 2 Measures Regarding Railway Transport Safety

### 1 Improvement of Railway Environment

In order to ensure rail transportation safety, a high level of reliability is maintained in regard to the railway and operational safety equipment for rail facilities. It is also necessary to create the basis of safety as an overall system. Therefore, a thorough management of rail facility maintenance is encouraged alongside the improvement of operational safety equipment and the strengthening of railway structure quake resistance as safety measures.

- (1) Inspections and maintenance of rail facilities
- (2) Improvement of operational safety equipment
- (3) Strengthening of railway earthquake countermeasures

### 2 Ensuring the Safe Operations of Railways

In order to ensure the safe operation of the railway, safety audits are strengthened and augmented, and guidance is given to improve the knowledge and technical skills of crew members and maintenance personnel. Efforts are made to enhance safety awareness for all citizens through public promoted activities.

In addition to promoting the construction of a safety management system that unifies everyone from the top management to on-site personnel, efforts are made to augment the "Transport Safety Management System" and improve the safety even further.

Moreover, for contributing to prevent recurrence and mitigate damage of railway accidents/incidents, we shall continue to appropriately identify the causes of accidents/incidents.

- (1) Augmentation of education for crew members and maintenance personnel
- (2) Improvement of the management of train operation and crew members
- (3) Dissemination of knowledge regarding rail transportation safety
- (4) Implementation of safety audits for railway operators
- (5) Augmentation of weather information
- (6) Improvement of investigation function for determining the causes of railway accidents/incidents
- (7) Promotion of proactive prevention of railway accidents