

Chapter 4 Building the Foundation for a Comfortable Living

Section 1 Measures to Build Towns Comfortable for Persons with Disabilities and Measures for the Safety and Security of Persons with Disabilities

1. Further promotion of smooth transportation

Establishment of the revised Barrier-Free Act

In 2006, the Act on Buildings Accessible and Usable for the Elderly and Physically Disabled (Act No. 44 of 1994) (hereinafter referred to as the “former Heart Building Act”) and the Act for Promoting Easily Accessible Public Transportation Infrastructure for the Aged and the Disabled (Act No.68 of 2000) (hereinafter referred to as the “former Transportation Barrier Free Act”) were integrated and expanded, and now more than 10 years have passed since the enactment of the Act on Promotion of Smooth Transportation, etc. of Elderly Persons, Disabled Persons, etc. (Act No. 91 of 2006) (hereinafter referred to as the “Barrier-Free Act”).

Since the 2020 Olympic and Paralympic Games will be hosted in Tokyo, there is a need to take this opportunity to promote integrated initiatives consisting of complete structural measures including those for the existing public transport organizations, and non-structural measures for traveler support etc., as well as improved barrier free facilities and universal tourism in regional areas aim for the realization of a so-called inclusive society in which all citizens can co-exist, seek to make a reality of a dynamic engagement of all citizens.

In response to the gist of the above, the Act to Revise Part of the Act on Promotion of Smooth Transportation, etc. of Elderly Persons, Disabled Persons, etc. (Act No. 32 of 2018) (hereinafter referred to as “the Revised Barrier-Free Act”) came into effect in May 2018.

2. Promotion of barrier-free measures based on the concept of universal design

Based on the Barrier-Free Act, in the light of the universal design concept of anywhere, anyone, freely, easy to use, we have established a compliance obligation to Standards on Smooth Transportation for newly established facilities, etc. (passenger facilities, vehicles, etc., roads, off-street parking lots, urban parks, buildings, etc.), and a duty to comply with standards for existing facilities, etc. Also, the Basic Policy on Promotion of Smooth Transportation establishes development targets for the end of FY2020. In addition, we have developed the Basic Policy on Transportation Policies (decided by the Cabinet in February, 2015) and based on the Basic Act on Transportation Policy (Act No. 92 of 2013) to promote barrier-free development, aiming to make the barrier-free concept more familiar is cited as one of its goals.

Furthermore, in order to encourage a barrier-free conscious attitude, which deepens the understanding of the public for the promotion of barrier-free development and demands for cooperation, attempts are being made through the hosting of barrier-free lecture classes. In these, people can experience assisting elderly persons and persons with disabilities, and take part in simulated experiences. In addition, a gradual and continuous spiraling up of barrier-free measures is being pursued.

(1) Basic principles

Under the revised Barrier Free Act, it was newly stipulated as a basic principle that according to the measures in the Barrier Free Act contributions must be made towards achieving an inclusive society and removing social obstructions.

(2) Promotion of barrier-free development of public transportation facilities and buildings

The Barrier-Free Act stipulates compliance with barrier-free standards for public transportation, buildings, roads, off-street parking lots and urban parks, and the promotion of barrier-free development in

living spaces. In addition, in order to promote integrated efforts of tangible and intangible measures by public transport operators, the revised Barrier Free Act added a system making it mandatory for them to create tangible and intangible measures plans each year incorporating facility improvement, passenger support, information provision, educational drills and promotion systems, submit these reports to the Minister of Land, Infrastructure and Transport, and report upon and make public the state of these initiatives.

(3) Promotion of intensive and integrated barrier-free development in regions

Under the revised Barrier Free Act, municipalities are to make priority development zones in areas where it is necessary to implement work to facilitate smooth transportation, and create basic concepts regarding the intensive and integrated promotion of these works. In addition, they are to designate smooth transportation promotion areas that require the encouragement of smooth transportation and create smooth transportation promotion policies for the areas

Upon creation of the smooth transportation promotion policy and basic concept, the following system is established to reflect the viewpoint of the user.

A Council system

The council system for implementing consultation concerning the creation of smooth transportation policy and basic concepts is stipulated in law. The councils consist of elderly persons and persons with disabilities, people of academic experience and standing and others deemed necessary by the municipality. When creating the basic concept, it is also requisite for the party implementing the specified undertaking to take part in the council.

B Smooth transportation promotion policy and basic concept planning proposal system

From the perspective of encouraging the creation by municipalities of a smooth transportation policy and basic concept, municipalities with elderly residents or residents with disabilities may put forward their own concrete proposals regarding the details of these.

(4) Responsibility of the State and public in promoting barrier-free development

A Promotion of public understanding

In the Barrier-Free Act, it is stipulated to be the responsibility of the State to deepen the understanding of the public regarding the promotion of barrier-free development and to seek public cooperation in barrier-free implementation, and the responsibility of the public to deepen their understanding of the importance of ensuring the self-sustaining day-to-day and social lives of the elderly and persons with disabilities is also stipulated. In addition, the revised Barrier-Free Act states that support for elderly persons and persons with disabilities (such as asking if they need help when using trains etc.) are responsibilities of both the State and public in order to promote a barrier-free mind.

B Introduction of Spiral Up

In the Barrier-Free Act, a Spiral Up concept, in which the contents of specific policies and measures are verified, new policies and measures are taken, and the relevant policies and measures are gradually and continuously developed with the participation of the parties involved in the policies, is positioned as a responsibility to be fulfilled by the State. Based on the above the revised Barrier-Free Act the State established a council composed of governmental organizations and relevant stakeholders including people with disabilities, which will ascertain the progress of smooth transportation on a regular basis and strive to evaluate it.

3. Promotion of barrier-free housing

(1) Providing housing considering persons with disabilities in terms of design and equipment

A Promotion of barrier-free public rental housing

In principle, with regard to all new public housing, Urban Renaissance Agency rental housing, improved housing and public corporation rental housing, the installation of facilities etc. according to the physical and psychological characteristics of persons with disabilities is considered, and barrier-free design is taken as a standard specification. Efforts are underway to make existing housing barrier free by rebuilding or making improvements to them.

B Promotion of formation of housing stock considering utilization by persons with disabilities, etc.

The Guidelines on the Design of Houses where Elderly Persons Reside shows the matters to be taken into consideration in the design of houses where people can continue to live even when their bodily functions deteriorate.

(2) House renovation

Special measures are taken in which income tax and fixed asset tax amounts are reduced when certain barrier-free renovation works are conducted for houses where persons with disabilities, etc. reside. In addition, in the Long-Term High-Quality Housing Renovation Promotion Project, support is provided for barrier-free renovation conducted together with renovation work that contributes to the long-term high-quality of housing.

4. Promotion of barrier-free development of buildings

(1) Promotion of barrier-free environment in government buildings

Efforts are being made to secure the improvement standards stipulated in the Preferred Standards on Smooth Transportation for Buildings according to the Barrier-Free Act, and improvements are being promoted that enable facilities that can be used smoothly and with comfort by persons with disabilities and all people with safety and peace of mind.

(2) Improvement of accessibility for buildings

In the Barrier-Free Act, standards (Standards on Smooth Transportation for Buildings) relating to entrances, aisles, toilets, etc. are stipulated, and compliance is mandatory for buildings (Specially Designated Buildings) of a certain scale or larger used by large and unspecified numbers of people, or mainly used by persons with disabilities, etc. and efforts for compliance with the standards are mandatory for buildings (Designated Buildings) used by large numbers of people.

Furthermore, in order that persons with disabilities can smoothly use buildings standards that should be introduced (Preferred Standards on Smooth Transportation for Buildings) have been stipulated, and support measures are being carried out for Specified Designated Buildings, excellent buildings that have received the recognition of the competent government agency.

(3) Subsidies, etc. provided by the Barrier-Free Act

Certain Specified Designated Buildings, etc. are supported by a subsidy system (the Barrier-free Environment Improvement Promotion Project) for the improvement of facilities such as elevators, or wide corridors, etc. considering the use of persons with disabilities.

With regard to improvement projects, etc. for the purpose of universal design of public facilities, etc. implemented by local public entities, the Ministry of Internal Affairs and Communications added a

Universal Designing Project to the Public Works Facilities Proper Management Promotion Business Bonds in FY2018, implementing financial measures for local public entities.

(4) Unification of display method

A Braille display

In order to provide information in braille and promote its wider use while avoiding chaos regarding the way in which it is displayed, the Guidelines for All People Including Elderly Persons and Persons With Disabilities - Methods of Displaying Braille Sign - Public Facility (JIS T 0921), was established in 2006. With regard to consumer products, the Guidelines for Elderly Persons and Persons with Disabilities - Methods of Displaying Braille Sign - Consumer Products (JIS T 0923) was established in 2009, and in FY2016, in order to improve convenience when using the standards JIS T 0923 was integrated to JIS T 0921, and JIS T 0921 was revised to Accessible Design -- Application of Braille on Signage, Equipment and Appliances.

B Graphic symbols for guidance

Graphics (graphic symbols for guidance) for providing information on an object, a concept or a state without using letters or language can be easily understood by elderly persons whose vision has deteriorated, or persons with disabilities, and even foreigners, etc., and thus is an excellent means of providing information compared to characters and languages. Foreign tourists are expected to increase with the hosting of the Tokyo Olympic Games and Paralympic Games in 2020. Thus, in order to make graphic symbols easier to recognize, seven graphic symbols have been changed from the viewpoint of harmonization with international standards, and 15 types of graphical symbols and a Help Mark graphic symbol, which makes it easier for persons with disabilities difficult to recognize from their appearance to call for support around them, were newly added in July 2017.

C Public toilets, tactile guide map

In order to enable visually impaired persons to utilize facilities and equipment, etc. used by large and unspecified numbers of people, such as railway stations, parks, hospitals, or department stores, etc., safely and smoothly, the following guidelines have been established: Guidelines for Older Persons and Persons with Disabilities -- Shape, Colour, and Arrangement of Toilet Operation Equipment and Appliances in Public Rest Room (JIS S 0026), Guidelines for Older Persons and Persons with Disabilities -- Information Content, Shapes and Display Methods of Tactile Guide Maps (JIS T 0922), and Guidelines for All People Including Elderly and Persons with Disabilities -- Tactile Information -- Basic Design Methods for Tactile Patterns (JIS S 0052).

5. Promotion of development of barrier-free public transportation and walking spaces, etc.

(1) Barrier-free development of public transportation

A Promotion of barrier-free development of public transportation based on laws and regulations

(i) Promotion of barrier-free development of public transportation based on the Barrier-Free Act

Under the Barrier-Free Act, when public transport operators build new passenger facilities such as stations, undertake major improvements or introduce new vehicles etc., they are obliged to comply with the Ministerial Order on Standards on Structures and Equipment for Passenger Facilities and Vehicles etc. Requisite for Smooth Transportation (Order of the Ministry of Land, Infrastructure, Transport and Tourism No. 111 of 2006) (hereinafter “the Standards on Smooth Transport in Public Transportation”). With regard

to the Standards on Smooth Transport in Public Transportation, new standards for the passenger steps used to embark and disembark from aircraft were established in September 2018, and pursuant to the revisions of the Barrier-Free Act in May 2018, a further revision was made in March 2019 since from April 2019 onwards rental buses, pleasure boats etc. will be subject to the Standards on Smooth Transport in Public Transportation.

(ii) Formulation of guidelines concerning passenger facilities

The revised version of the Guidelines on Promotion of Smooth Transportation Development by Public Transport Operators (passenger facilities edition) was announced in July 2018, and by indicating in concrete terms the ideal way for improvements efforts are underway to promote barrier free developments hoped for by users.

(iii) Improvement of guidelines for vehicles, etc.

The revised version of the Guidelines on Promotion of Smooth Transportation Development by Public Transport Operators (vehicles edition) was announced in July 2018, and by indicating in concrete terms the ideal way for improvements efforts are underway to promote barrier free developments hoped for by users.

The Passenger Ships Barrier Free Guidelines were formulated in August 2007, and indicated the preferred development content as guidelines for making passenger ships barrier free and enabling their smooth use by all passenger including those with disabilities.

B Support for facility improvements and vehicle improvements

(i) Subsidies and loans for improvement of facilities including elevators at passenger terminals such as railway stations

Partial subsidies are being made for expenses required for barrier-free development of railway or tram way stations, etc. in urban railway improvement projects and regional public transport securing, management and improvement projects. In addition, fiscal loan, and loan system of the Japan Finance Organization for Municipalities for construction improvement projects including the Barrier-free development of subway projects among transportation projects of municipal enterprises are established.

(ii) Grants and loans for improvement of vehicles friendly to persons with disabilities

Partial subsidies are granted for the expenses entailed by the Emergency Measures Projects to Improve the Environment for Foreign Travelers to Visit Japan for introducing low-floor buses, buses with lifts, welfare taxis, and low floor type trams (LRV), etc. As low-interest financing systems for developing vehicles for persons with disabilities, fiscal loans and a financing system conducted by the Japan Finance Organization for Municipalities have been established for construction improvement works, including barrier-free initiatives, aimed at municipality bus operations run by local government enterprises and tram way operations

(iii) Promotion of barrier-free development of domestic passenger ships under the joint ownership scheme

When construction is carried out that contributes to making the barrier-free facilities of passenger ships more sophisticated and diverse (ships with wheelchair-friendly toilets, elevators and other facilities that improve convenience and safety for persons with disabilities and others), the coastal shipping joint ownership scheme of the Japan Railway Construction, Transport and Technology Agency are being utilized.

Financing systems run by the Japan Finance Organization for Municipalities and fiscal loans are available for construction improvements including barrier-free facilities in shipping enterprises from among the municipal transportation businesses.

(2) Development of barrier-free walking space, etc.

A Promotion of welfare town planning

Comprehensive town planning is promoted in various places based on the viewpoint of welfare, including securing smooth transportation of persons with disabilities through the development of wide sidewalks, elimination of differences in levels at the entrance and exits of buildings, installation of elevators at railway station buildings, introduction of falling prevention equipment such as platform screen doors, improvement of traffic signals equipped with audible speakers, as well as securing places to relax and meet people through park development. In addition to these, the following measures are conducted in order to support the efforts for the welfare town planning.

(i) Promotion of barrier-free development of towns focusing on passenger facilities of public transportation

In order to enable persons with disabilities to go out without assistance and use public transport, we are promoting to provide plazas at the front of stations, pedestrian decks and paths at transport hubs such as stations, and pedestrian-support facilities such as elevators, escalators to link these directly with roads and buildings.

Furthermore, we are implementing Barrier-free Environment Improvement Promotion Project which promotes development of facilities such as moving walkways and elevators to secure comfortable and safe movement, and buildings that give due consideration for persons with disabilities.

(ii) Improvement of living environment in rural areas

The Ministry of Agriculture, Forestry and Fisheries provide support for the development of wider sidewalks and reduction of level differences in rural areas through the Grants for Rural Area Development and the Rural Area Development Subsidies.

(iii) Promotion of dissemination awareness-raising activities

The Ministry of Internal Affairs and Communications is, in order to support the initiatives of local public entities aimed at realizing inclusive local communities, taking local allocation tax measures for the expenses required by local public entities to promote town planning through universal design and the vitalization of activities carried out by specified non-profit corporations (NPOs). The Ministry is also taking fiscal measures concerning town planning through universal design and health and welfare facility development to provide support in the face of communities with low birthrates and increasingly elderly populations.

Furthermore, in order to achieve a society with a barrier-free mind barrier-free classes aimed mainly at elementary and lower secondary school students are offered.

B Efforts through city planning, etc.

As initiatives for comprehensive welfare town planning in urban planning, roads that take into consideration persons with disabilities, the development of urban infrastructure such as parks, land reallocation, adjustment projects, downtown redevelopment projects and other cross-region urban developments are being steadily carried out.

In the urban redevelopment projects, etc., those that introduce certain social welfare facilities, etc. to redeveloped buildings are positioned as Welfare Space Formation Type Projects, and common transportation area maintenance expenses, and parking lot maintenance costs, etc. are subsidized in addition to ordinary subsidies, and premiums on the amount of subsidies for maintenance costs in the case of integrating improvement with social welfare facilities, etc. are provided.

In addition, the additional expenses arising when constructing facility buildings adapted to barrier-free development, etc., are supplemented by a separate quota.

C Development of barrier-free walking spaces

To provide safe and secure walking space in the station plazas and sidewalks that connect stations, government facilities, and hospitals for everybody, including the elderly and persons with disabilities, we

are promoting widening of sidewalks, improvement of uneven or sloped sidewalks, removal of utility poles, and textured paving for visually impaired persons.

In addition to these efforts, we are also promoting the installation of barrier-free traffic signals on, in principle, every main residential street in priority development zones by FY 2020 in order to achieve the more easily accessible environment stated in the Basic Policy on Promotion of Smooth Transportation.

D Barrier-free development of off-street parking lot

In the Barrier-Free Act, barrier-free development of off-street parking lots is stated, and based on the provisions of the act, Ministerial Order to Determine Standards on the Structure and Equipment of Specified Off-Street Parking Lots Necessary for Smooth Transportation (Order of the Ministry of Land, Infrastructure, Transport and Tourism No. 112 of 2006) is implemented to promote barrier-free development.

In addition, in the Basic Policy on Promotion of Smooth Transportation, the goal for barrier-free development of specified off-street parking lots is stipulated.

(3) Transportation support

A Promotion of dissemination of welfare taxis, etc.

In order to make the transportation of persons with disabilities, etc. more convenient, dissemination of welfare taxis is promoted by subsidizing part of expenses for the introduction of welfare taxi vehicles by the Community Public Transportation Maintenance Project. In addition, when it is identified that adequate transport services cannot be secured by bus and taxi operators alone, it is possible to use compensated transportation services provided by NPOs etc.

With respect to persons with disabilities who find it difficult to go outdoors, in the community life support service under the Act on Comprehensive Support for Persons with Disabilities, each municipality is implementing a Transportation Support Project that provides services such as dispatching guide helpers in a flexible form, depending on the characteristics of community and user's needs.

B Standards development of transportation support system

The Ministry of Economy, Trade and Industry set the Guidelines for Older Persons and Persons with Disabilities -- Information Presentation Using Electronic Guiding and Wayfinding System (JIS T 0901) in FY2004 in order to improve the environment where persons with disabilities can actively participate in society and the economy utilizing IT.

C Fare and fee discounts for persons with disabilities

On each type of public transportation, discounts on fares and fees are implemented for persons with physical disabilities in possession of physical disability certificates, persons with intellectual disabilities in possession of intellectual disability certificates, and caregivers of these people who need constant nursing care.

On toll roads, discounts are available for persons in possession of a physical disability certificate who drive themselves and for caregivers who are driving a person with a severe physical disability or a person with severe intellectual disability.

With regard to health and welfare certificates of persons with mental disabilities, photographs must be attached to facilitate identity verification and make it easier to obtain assistance for discounts on admission fees to public facilities and fares for public transportation. Furthermore, with regard to the persons with developmental disorders and persons with higher brain dysfunction, the form and judgment standards of the medical certificates were revised in April 2011.

With regard to the fare and fee discounts applicable to persons with mental disabilities in possession of a health and welfare certificate of persons with mental disabilities or their caregivers, some public transport providers such as railways, buses, taxis and passenger ships already have measures in place, and these have

been expanded to airline operators in FY2018, showing that these discount systems are becoming widely disseminated.

D Exclusion measures from traffic regulations prohibiting parking

A parking prohibited exclusion designation vehicle mark is issued for certain persons with disabilities and they are excluded from the subject of traffic regulations prohibiting parking.

E Securement of proper utilization of parking section for persons with disabilities, etc.

The Ministry of Land, Infrastructure, Transport and Tourism is promoting the improvement of the system through the sharing of best practices regarding the parking permit system introduced by many local public entities from the viewpoint of ensuring proper utilization of parking sections for persons with disabilities, etc. and will promote dissemination of the system to local public entities that have not yet introduced the system by letting them know about the merits of the system, etc.

F Promotion of pedestrian mobility support utilizing ICT

Towards the goal of creating a universal society in which anyone, including elderly persons, persons with disabilities and overseas visitors can freely and in a stress-free manner use indoor and outdoor facilities, the Ministry of Land, Infrastructure, Transport and Tourism is promoting initiatives to support pedestrian movement using ICT. The Ministry is also improving the environment for open data promotion, etc. toward service creation by diverse entities and has examined the methods to collect continuously the data necessary for barrier-free information on facilities and routes such as data on transport.

(4) Promotion of universal tourism and providing barrier-free information

Based on the Tourism Nation Promotion Basic Plan decided by the Cabinet in March 2012, universal tourism enabling anyone, including persons with disabilities to enjoy traveling is promoted.

In FY2018, to encourage the commercialization of tour products for persons with disabilities an examination was made of tourism products that could contribute to economic revitalization. Furthermore, in August 2018 the Manual for the Provision of Barrier-free Information at Accommodation Facilities was created and published, while in April 2019 the Manual for the Provision of Barrier-free Information in Tourism Areas was created and published. In addition, assistance was given for the barrier-free improvement of traditional inns and hotels.

As a part of its efforts to provide barrier-free information about public transport over the Internet, the Foundation for Promoting Personal Mobility and Ecological Transportation operates its Raku-Raku Odekake Net, its online service for safe and convenient access that provides barrier-free information on around 8,000 stations and terminals.

(5) Barrier-free development of parks, waterfront spaces, etc.

A Consideration in park maintenance

As urban parks are places for relaxation and getting together through sport, recreation and cultural activities, as well as playing an important role in promoting the health and social participation of persons with disabilities it is essential that efforts are made to improve convenience and safety. The Barrier-Free Act stipulates, with regard to specified park facilities such as paths and plazas, resting places, toilets and the like that satisfy certain requirements, the obligation to comply with the standards when newly establishing them, and the obligation to make efforts to comply with the standards regarding existing facilities.

By exempting persons with physical disabilities and their caregivers from entrance fees in all the national government parks throughout Japan, efforts are being made to increase opportunities for outdoor activities and mitigate their financial burden.

The Ministry of the Environment is pursuing the universal design of the main facilities in national parks such as visitors' centers, pathways and toilets, and promoting the development of people-friendly facilities.

B Consideration for maintenance of waterfront spaces

It is important to provide places for persons with disabilities to relax and get together by rivers, coasts and other waterside spaces, just as with parks. The formation of good waterside space is promoted by improving river management facilities related to safety and security on river use. In addition, barrier-free development of coast conservation facilities is promoted.

C Consideration in port area green spaces and marinas

From the planning stage, the green areas of ports is concerned with smooth access improvement with the surrounding transportation facilities, and in terms of facilities, efforts are provided so that barrier-free development can be implemented. In addition, barrier-free development of marinas facilities is promoted so that persons with disabilities can participate easily and with safety in coastal recreation activities.

D Consideration in maintenance of forest facilities

Improvement of forest walkways, etc. based on the concept of universal design is promoted in order to accommodate people regardless of age or disabilities as places for mental and physical relaxation and health building.

6. Improvement of traffic safety

(1) Improvement for safe and smooth passage

A Promotion of community roads improvement

To provide safe and secure roads along which all people including persons with disabilities can walk with a feeling of peace of mind, the Public Safety Commission in each prefecture and road administrators work together on establishing/improving traffic signals, developing sidewalks, and installing traffic control devices to control traffic speed and through-traffic. They also promote area-wide, comprehensive traffic safety improvements by controlling traffic speed and reducing/restricting through-traffic in the entire target area (called "Zone 30") with a combination of 30km/h speed limit and other safety measures as necessary.

B Development of walking space from the viewpoint of utilization

To develop road traffic environments from the viewpoint of various users and promote proper use of such environments, we are promoting involvement of residents in new road development by utilizing results of the General Inspection on Traffic Safety.

Moreover, the Rules of the Road (Public Notice of the National Public Safety Commission No. 3 of 1978) state that regular bicycles should not be parked on or around areas where there are studded paving blocks for the visually impaired.

C Installment of traffic facilities such as traffic signals considering persons with disabilities

Measures are taken to promote the installment and improvement of barrier-free traffic signals and other traffic facilities such as audible traffic signals, which tell the status of traffic signals by sound, pedestrian traffic signals which display the remaining time until the lights turn green or red, and pedestrian-vehicle separation signals which separate the crossing times for pedestrians and vehicles to prevent traffic accidents.

D Improvement of a road traffic environment for easier driving for persons with disabilities

In order to ensure that everyone including persons with disabilities drives safely, we are promoting to add more space to the existing road structure, improve visibility, and mitigate drivers' fatigue. Specifically, this includes improvement of Michi-no-Eki rest areas, development of additional lanes (lanes for slower traffic), addition of road lighting, installation in washrooms and parking spaces for persons with disabilities in service areas (SA), parking areas (PA) on expressways, and car parking lots, etc.

In addition, according to the Road Traffic Act (Act No. 105 of 1960), when a person holding a license for a motor vehicle to which any condition is attached because the licensee has an orthopedic impairment is driving a standard motor vehicle with a disabled driver sticker displayed on their vehicle, other drivers should not pull over or cut into line except when necessary to avoid an accident.

With regard to the driving of vehicles by hearing-impaired persons, when semi-mid-sized or standard vehicles are being driven by people with hearing aids that allow them to hear only certain level of noise, they are obliged to display hearing impaired person marks on their vehicles, and other drivers are prohibited from pulling over or cutting into line.

Furthermore, in order that elderly persons or persons with disabilities can park with safety and enough time, the police are developing designated zones (dedicated parking zones for elderly people, etc.) restricted to standard motor vehicles displaying the special mark provided by the Public Safety Commissions of each prefecture.

E Countermeasures against hybrid vehicles, etc. with quiet running noise

In response to the voicing of opinions that hybrid and electric vehicles make so little sound that people feel danger, the Ministry of Land, Infrastructure, Transport and Tourism formulated Guidelines for the Vehicle Approach Reporting Equipment on Quiet Noise of Hybrid Vehicles in January 2010. Based on this guideline, in order that hybrid vehicles, etc. are required to be equipped with vehicle approach reporting equipment, the Ministerial Order Partially Amending the Safety Standards of Road Transport Vehicle (Order of the Ministry of Land, Infrastructure, Transport and Tourism No. 73 of 2016) was promulgated and came into effect in conjunction with the international standards in which Japan has taken the lead in formulating at the United Nations, and which entered into force in October, 2016.

F Promotion of ITS and efforts toward realization of automated driving

Based on the recognition that securing transportation in rural areas and addressing professional driver shortages are urgent matters, we are implementing research and development and service development of ITS (Intelligent Transport Systems), such as TSPS (Traffic Signal Prediction Systems), DSSS (Driving Safety Support Systems), ETC 2.0 for safer and more comfortable transportation for elderly persons and persons with disabilities, and making efforts in the development of advanced automated driving systems and provision of automated driving services for persons in rural area, elderly persons, and persons with disabilities.

(i) TSPS (Traffic Signal Prediction Systems)

By providing drivers with advance information on traffic signals etc. at the time of arrival at intersections with traffic signals, comfortable driving is encouraged and the prevention of traffic accidents involving sudden stops and starts is being pursued.

(ii) DSSS (Driving Safety Support Systems)

By providing drivers with visual and auditory information on surrounding traffic conditions, etc. from radio sets, etc. installed on the road, attempts are underway to urge attention to dangerous factors and create an environment where driving can be performed calmly so as to prevent traffic accidents.

(iii) ETC2.0

The ETC2.0 system represents a significantly evolution of conventional ETC, providing route information and other functions.

With approximately 3.57 million onboard units installed as of February 2019 and a significant number of roadside units installed on expressways nationwide, we are providing region-wide traffic information, warnings for drivers such as unexpected congestion ahead on curved roads and other efforts for smoother and safer traffic.

This includes pinpoint congestion countermeasures and traffic accident prevention measures with the aid of big data, including speed, travel routes and sudden braking locations data.

(2) Enhancement of protection consciousness for pedestrians, etc.

For drivers, in order to raise protective awareness regarding pedestrians including persons with disabilities, driver education, guidance by driving safety supervisors, and other publicity awareness raising activities are promoted in corporation with related organizations. For persons with disabilities, detailed traffic safety education is promoted by utilizing captioned videos and holding of participation-, experience-, and practice-type traffic safety classroom, etc. adjusted to level of disability.

(3) Certification of type of electric wheelchair

According to the Road Traffic Act, those using disabled persons' wheelchairs, which use motors conforming to certain standards, are considered to be pedestrians; five types were authorized as corresponding to the standards in FY2018.

(4) Consideration for those who wish to obtain a driver's license

In addition to making efforts to install slopes, elevators, etc. at the driver's license center of each prefectural police department, a driving aptitude consultation service is set up, personnel with abundant experience in the driving aptitude of persons with physical disabilities are posted, and consultation on obtaining of driver's license is given.

In addition, when persons with physical disabilities are recognized as having no risk of interfering with the safe driving of a car by attaching conditions according to their physical state, it is possible to take a driving skill test by vehicle brought by the driver and remodeled for persons with disabilities, etc. With regard to the designated driving schools, the implementation of training using the owner's vehicle, development of vehicles that can be used in training and components to equip them with, and the improvement of facilities are all being guided.

Elsewhere, in order to improve convenience for those with intellectual disabilities who wish to acquire a driver's license, measures such as printing the phonetic syllabary over Chinese characters in the written test questions are being taken.

7. Promotion of disaster and crime prevention countermeasures

(1) Disaster prevention countermeasures

A Basic policy of disaster prevention countermeasures

Partial revision of Basic Act on Disaster Management

After the experience of the Great East Japan Earthquake of March 11, 2011, the importance of measures during disasters for persons requiring special care such as elderly persons, persons with disabilities and infants became evermore vital. The government revised the Basic Act on Disaster Management (Act No. 223 of 1961) to promote participation of diverse entities such as elderly persons and persons with disabilities and incorporate their opinions into area disaster management plans. Accordingly, the act stipulate that persons consisting of voluntary disaster management organizations or persons with relevant knowledge and experience should be added to the members of the Council (the first revision).

Subsequently, based on the issues left after the first amendments and the final report of the Committee for Policy Planning on Disaster Management etc. a second round of amendments were made in which it was made mandatory for municipalities to draw up lists of people among persons requiring special care who need special support during disasters, and standards were set that should be met by evacuation centers where it is expected that mainly persons requiring special care will be forced to stay in.

B Promotion of countermeasures for persons requiring special care

After the second round of amendments, in August 2013 the Initiative Guidelines for Evacuation Support of Those Requiring Aid in Evacuating were formulated and published. They include specific procedures for drawing up lists of those requiring evacuation support and how to use them.

Moreover, the second round of amendments state the obligation to strive towards developing a proper living environment in evacuation centers in the Guidelines on Initiatives to Secure a Good Living Environment at Evacuation Centers were also formulated and published. In FY2016, in addition to the amendment of the guidelines, the Guidelines on Operating Evacuation Centers, Guidelines on Securing and Maintaining Toilets, and the Guidelines on Securing and Operating Welfare Evacuation Centers were created and published.

When communities and businesses etc. conduct various emergency drills, they implement evacuation practice with an emphasis on persons requiring special care, and raise awareness of disaster prevention.

Each prefectural police department is making attempts to spread knowledge about persons with disabilities during disasters and to promote the development of support systems for persons with disabilities etc. through routine visits to facilities housing persons with disabilities.

C Measures for facilities used by persons requiring special care, etc.

With regard to measures against sediment-related disasters at facilities used by persons requiring special care, the development of sediment-related disaster prevention facilities and work is being implemented on a prioritized basis according to the 4th Priority Plan for Infrastructure Development, and additional preventive measures would be taken in the areas struck by serious flood or landslide damage.

Furthermore, in the sediment-related damage nationwide disaster drills local residents play a lead role and with the cooperation of facilities for persons requiring special care, and evacuation drills and so on are implemented in a focused manner to meet the circumstances of the regions. In addition, in order to enable the safe and swift evacuation of persons requiring special care, in addition to attempts to develop and strengthen disaster information systems, in preparation for the advent of floods, tsunamis, high tides and sediment-related disasters the provision is promoted of detailed information in the form of disaster maps that specifically show the sites of previous disasters and danger, how to obtain information, evacuation centers and routes, and every effort is being made to raise awareness of disasters.

D Countermeasures against flood damage

Enormous physical efforts are required in order to enable people to return to normal everyday life after flood damage, and since it also entails the placing of a tremendous burden on persons with disabilities, infrastructure improvements to prevent repeated disasters is steadily promoted, and the measures to support smooth and prompt evacuation such as hazard maps are integrally conducted. In addition, in order to promptly and accurately convey river information such as rainfall and water levels to local public entities and community residents, information is provided in real time through the Internet, and terrestrial digital broadcasting, etc., and danger is warned of by emergency alarms etc.

E Fire safety countermeasures

In fire-fighting institutions, etc. throughout the country, through a nationwide disaster prevention movement, thoroughness in fire safety measures for specific fire prevention objects is being pursued as a prioritized objective. An appropriate evacuation guidance system is ensured in small-scale society welfare

facilities, etc. where persons with disabilities, etc. reside, and the necessary fire safety countermeasures are thoroughly taken, including the promotion of intensive corrections against violations of the Fire Service Act.

F Calling 119 without speaking

As for the new system (Net 119 Emergency Notification System) that can make smooth notification without speaking by utilizing smartphones, etc., standard specifications, etc. were compiled at the Fire and Disaster Management Agency in March 2017, and their introduction to each fire department headquarters was promoted. Efforts to notify and encourage use among persons with disabilities are being made in cooperation with the Ministry of Health, Labour and Welfare.

G Main types of support for persons with disabilities in the event of earthquake disasters

Among the measures taken for disaster areas and victims in connection with the Great East Japan Earthquake and the Kumamoto Earthquake, the following measures are being taken as part of the support efforts for persons with disabilities.

(i) Reduction of usage burden etc.

(a) Regarding measures for with users

- It has been decided that if municipalities exempt the burden of users of disability welfare services related to the affected persons with disabilities, etc., the State will provide financial support for the full amount of the users' financial burden.

(b) Regarding provision of disability welfare services

- It has been decided that when victims, etc. are accommodated, and Personnel Placement Standards and Facility Equipment Standards are temporarily not filled, including cases in which capacity is exceeded, etc., remuneration will not be reduced.

(c) Dispatching of nursing care staff, and acceptance of evacuees, etc.

- In each facilities, etc., when there was a shortage of nurses the dispatching of nursing staff, from different places of business, was conducted under the coordination of the State or Prefectures, etc.
- In the event that it was necessary to evacuate users in the advent of a disaster, the State and prefectures coordinated and secured accommodation.

(d) About resumption support of disability welfare services, etc. in disaster areas

- A government subsidy project was implemented to cover the expenses required for restoration projects, support for facilities for persons with disabilities affected by the earthquake was resumed, and restoration support etc. implemented.

(ii) Mental care

With regard to mental care in the Great East Japan Earthquake, mental care centers were set up as an activity base in the prefectures of Iwate, Miyagi and Fukushima, where teams composed of nurses, psychiatric social workers and clinical psychologists cooperated with health centers and municipalities, and through consultation and visiting support provided professional mental care. Since FY2018 reinforcement of cooperation between mental care centers, enhancement and reinforcement of efforts to construct a support system for evacuees outside Fukushima prefecture, and the enhancing of support for supporters, and promotion of specialized training and survey research have all been underway.

With regard to mental care in the Kumamoto earthquake, the Ministry of Health, Labour and Welfare used the DMHISS (Disaster Mental Health Information Support System) straight after the earthquake and conducted collation of information and the coordination of personnel dispatching with the DPAT (Disaster Psychiatric Assistance Team), that was dispatched on the day of the earthquake at the request of Kumamoto Prefecture. In addition, the Kumamoto Institute for Traumatic Stress was established in order to maintain

and improve the mental health of the victims in October 2016, and meticulous professional mental health care is carried out.

(iii) Developmental disorders

In the Information and Support Center for Persons with Developmental Disorders at the National Rehabilitation Center for Persons with Disabilities, from the time immediately after the Great East Japan Earthquake, in order to provide smooth support for people with developmental disorders, information such as points to keep in mind at the time of support was provided toward the people coping with in the afflicted area.

(iv) Securing school attendance opportunities/ financial support for school attendance, etc.

The Ministry of Education, Culture, Sports, Science and Technology provides financial support to preschool children and students who have been affected by the Great East Japan Earthquake, and face economic difficulties in attending school. The ministry also requests each Prefectural Board of Education and prefectural government to accept those children in schools managed or supervised by them. The measures above have been taken following the Kumamoto earthquake and other disasters as well.

(v) Handbook for teachers

In FY2011, in the wake of the Great East Japan Earthquake, the National Institute of Special Needs Education created the *Handbook for Teachers who Support Children with Developmental disorders after the Great East Japan Earthquake* and is distributing it to relevant institutions and has published it on its own website. After the Kumamoto Earthquake the Institute re-uploaded its handbook as information relating to Kumamoto on the top page of its website, and made a renewed effort to make it widely known.

(vi) Ascertaining the situation of infants, pupils and students

Following the Great East Japan Earthquake, the Ministry of Education, Culture, Sports, Science and Technology and Ministry of Health, Labour and Welfare requested the boards of education and children with disabilities welfare supervising sections of prefectures to take the following measures: (1) to ascertain the situation of the affected infants, pupils and students with disabilities and provide them with support; (2) to collaborate in education and welfare, an example of which is that if a board of education or school finds infants, pupils or students in need of support, the board or school should inform the Children with Disabilities Welfare Supervising Section of a municipality after confirming the intention of the parents or guardians; and (3) to publicize the fact that a consultation service is available for support of children with disabilities.

(2) Crime Prevention Measures

A Access to police

Persons with disabilities face special difficulties in the satisfying of normal needs regarding crime prevention, they face a heightened danger of becoming involved in crime or accidents, and feel a strong sense of anxiety. The police are examining the development of a 110 site system for mobile phones, a nationwide uniform system enabling emergency calls using images and means other than speaking. They also accept emergency calls by FAX and e-mail, and provide useful information about community safety and security through routine visits to homes and workplaces, etc.

B Prevention of crime and accident damage

As a measure to alleviate the sense of anxiety among persons with disabilities arising from the possibility of becoming a victim of crime or accidents, routine visits to homes and workplaces serve to let the persons with disabilities consult with the police and the police to respond to their wishes. The police are also striving

to provide the requisite information about local crime, the frequency of accidents, crime prevention knowhow and other information required to secure safety.

In collaboration with relevant ministries and agencies and related organizations, the police are developing and disseminating high-performance devices for installation in homes as a part of crime prevention measures against invasion crimes.

C Promotion of crime prevention measures at support facilities for persons with disabilities, etc.

Following the mass murder incident that occurred at the support facility for persons with disabilities in Sagami-hara City, Kanagawa Prefecture in July 2016, the Ministry of Health, Labour and Welfare issued a notification entitled “About Securing of Safety Related to Crime Prevention in Social Welfare Facilities, etc.” in September 2016. It shows a specific checklist of items concerning measures for crime prevention and emergencies on an everyday basis, and has been thoroughly notified to each facility so that they make the necessary efforts.

In addition, budgetary measures have been taken in order to subsidize facilities and equipment to secure safety against crime, and the creation of a system for securing safety is being encouraged.

Section 2 Measures to Enhance Information Accessibility for Persons with Disabilities

1. Improvement of Information Accessibility

(1) Comprehensive support

As part of the community life support service, the Persons with Disabilities IT Support Center is operated as a comprehensive service base of IT-related measures, and personal computer volunteer training and dispatching, and so on, are conducted in order to expand opportunities for persons with disabilities to make use of information telecommunications technology. At the Ministry of Internal Affairs and Communications, the Committee for Future Creation of the New IoT Era was established in November 2017 and examined policies to enable the effective utilization of ICT. In August 2018, the Smart Inclusion Initiative was proposed under the TECH Strategy to Seize the Future.

(2) Research and development of equipment and systems that take into consideration persons with disabilities

Promotion of the research and development of information communication devices and systems that take use by persons with disabilities into consideration is a field with low profitability despite its extremely high public benefit and social usefulness. It is important, therefore, to promote the improvement of research and development systems, and research and development, etc., in national research institutions, as well as to support research and development conducted by private enterprises and others. Discussions aimed at improving accessibility of smartphones and tablets is continuing at ISO/IEC JTC 1 of the International Standardization Organization since FY2016, and Japanese manufacturers are also participating. In FY2018, the Guidelines for Older Persons and Persons with Disabilities-Information and Communications Equipment, Software and Services-Part 4: Telecommunications Equipment, which were established as the Japan Industrial Standard (JIS) for information accessibility, were revised to assure and enhance accessibility in smartphones and other such equipment.

(3) Promotion of standardization on information accessibility

The Guidelines for Older Persons and Persons with Disabilities-Information and Communications Equipment, Software and Services (JIS X 8341 series) were established as the Japan Industrial Standard (JIS) for information accessibility. In parallel with the development of standards domestically, and as a step toward shared international guidelines for information accessibility, an international guideline consisting of a part of the JIS X8341 series was proposed to the International Standards Organization (ISO), and various international standards were also established up to 2012. In 2018, in order to improve consistency with international standards, the JIS Standard for telecommunications equipment was revised.

(4) Promotion of barrier-free development of websites, etc.

Each ministry and agency is working to enhance the digital provision of government information on its websites, in light of the Japan Industrial Standard (JIS X8341-3) concerning web content, in order to make the websites easier to use for all people, including elderly persons and persons with disabilities.

In the Ministry of Internal Affairs and Communications, the Public Site Operational Guidelines for All (2016 Edition) were revised and the accessibility evaluation tool (miChecker) was updated in FY2015. Workshops for public institutions were held at eight locations nationwide in FY2018, a questionnaire survey of public institutions was conducted, and a survey was conducted to determine the status of support for JIS standards on official websites of independent administration agencies and other such organizations.

2. Development and dissemination of information communication systems supporting social participation

(1) Promotion of implementation of electronic voting

Electronic voting in Japan is permitted for introduction in the elections of members of parliament and heads of local public entities since February 2002.

The Ministry of Internal Affairs and Communications is continuing to investigate the technical issues involved in further heightening the reliability of electronic voting systems together with improvements to be made in promoting electronic voting, and it is engaged in providing the necessary information to local public entities.

(2) Promotion of teleworking

Teleworking is a flexible work style that makes effective use of time and place by utilizing ICT. There are expectations that teleworking will contribute to expanding employment opportunities for women, elderly persons, persons with disabilities, and so on. The government decided to promote the development of the environment for further dissemination of teleworking, awareness-raising, and its wider utilization. Since 2017, related ministries and organizations collaboratively set July 24, the day when the opening ceremony of the Tokyo Olympics in 2020 is scheduled to be held, as Teleworking Day to let telework take place all over the country. In 2018, the period from July 23 to 27 was declared Teleworking Days when people were called on to participate in expanding the scale of the event by engaging in teleworking on July 24 and other days during the period, for a total of two or more days. A cumulative total of 300,000 people or more, and 1,682 organizations, participated in the event.

3. Enhancement of information provision

(1) Promotion of research and development related to information provision

A Support for private research and development

The Ministry of Internal Affairs and Communications is providing support to those who conduct research and development of communications and broadcasting technologies to develop communication and

broadcasting services for elderly persons and persons with disabilities, and it is also providing subsidies and information to entities that provide or develop communication and broadcasting services for persons with physical disabilities through the National Institute of Information and Communications Technology.

B Development of an easy-to-use telephone

Telecommunications carriers take various measures so that people with disabilities can enjoy trouble-free use of the telephone, including development of welfare telephone equipment such as telephones with a volume control function, and installation of public phone boxes that are wheelchair accessible.

(2) Improvement of information provision systems

A Improvement of information networks

The Japan Federation of the Blind is engaging in an Instant Braille News Provision Project to enter immediately newspaper and other such information so that it can be received as braille data at braille libraries and other such institutions nationwide, and so that visually impaired persons can obtain information over the web while in their homes. In addition braille and audio book information, etc., are provided by the Sapie comprehensive network for information on visual impairment that is operated mainly by the Japan Braille Library, a social welfare corporation.

The Information Network of Persons with Disabilities (NORMANET) engages in the collection and provision of information of all types that are useful to participation in society by persons with disabilities and support for information exchange. In order to make it easy for persons with disabilities to access information, NORMANET is taking steps toward a multimedia system that provides simultaneous, integrated text, voice, and image information. It is also building up Disability Information Resources to collect and store disability, health, and welfare research information from inside and outside Japan and to provide that information over the internet.

The Act Partially Amending the Copyright Act (Act No. 30 of 2018), which includes provision for limitations on rights related to the enhancement of opportunity for persons with disabilities to access information, came into effect on January 1, 2019. The limitations on rights recognized in this act enable the transliteration or other such preparation of books for the benefit of visually impaired persons without the permission of copyright holders, and these limitations have been clarified to extend the range of persons with disabilities who can provide transliteration and so on to include persons with severe limb and trunk dysfunction or other such disabilities. Actions covered by the limitations on rights were also extended to newly include the sending and receiving of email and other such actions. By the amendment of Cabinet orders and ordinances, the organizations and other such bodies that can, without the permission of copyright holders, prepare transliterations and so on of books for the benefit of persons with visual impairment or other such disabilities have been extended to newly include parties that satisfy certain requirements even when not designated as such by the Director-General of the Agency for Cultural Affairs.

B Information provision in government publicity

The Cabinet Office is publishing the spoken public relations CDs and the public relations magazines in Braille and in large letters as government publicity in order to provide information on important measures of the government to persons with visual disabilities. They are being distributed to the Japan Federation of the Blind, schools for special needs education, public libraries, local public bodies, and so on.

C Production of subtitled videos and braille version brochures, etc.

The Ministry of Justice provides public prosecutors offices nationwide with DVDs that explain their system for the protection and support of crime victims in an easy-to-understand manner for the crime victims, their families, and the general public. On the DVDs, explanatory text is superimposed and all the videos are subtitled so that hearing impaired persons can use them. Pamphlets for crime victims and others

have been prepared in braille versions as well as CD versions with voice recordings of the same contents for distribution to braille libraries and public prosecutors offices nationwide to provide information to persons with visual disabilities.

The human rights bodies of the Ministry of Justice have created awareness-raising videos concerning various human rights issues. At the same time, they have also prepared subtitled video versions as well as consciousness-raising pamphlets and other such materials containing Uni-Voice bar codes so that the materials can also be used by persons with hearing impairment and visual disabilities.

D Consideration in national elections

The Public Offices Election Act (Act No. 100 of 1950) was revised in 2003, and the following arrangements necessary for persons with disabilities to vote are made: Provision of braille candidate roster and registered political party roster in polling places, etc., measures to indicate the type of election in braille on ballots, provision of candidate information by braille version as well as by voice versions on cassette tape and compact disc, and so on, installation of wheelchair ramps at polling places, provision of braille writing equipment, and so on.

Furthermore, as a measure for political broadcasting, the inclusion of sign language interpretation and subtitles is allowed.

(3) Promotion of subtitled broadcasts, audio description broadcasts, and sign language broadcasts, etc.

The widespread adoption of subtitled broadcasts, audio description broadcasts, sign language broadcasts and so on is a crucial issue in terms of persons with visual and hearing disabilities participating in society by acquiring information through television broadcasting. Due to the revision of the Broadcast Act (Act No. 132 of 1950) in 1997, it is stipulated that broadcasters are obliged to make the effort to provide as many programs as possible with subtitles and audio description.

The Ministry of Internal Affairs and Communications formulated the Guideline on Information Accessibility in the Field of Broadcasting in 2018. Based on this guideline, broadcasters are encouraged to take measures to expand broadcasts oriented to persons with visual and hearing disabilities. Partial subsidies for the expense of producing programs with subtitles, audio description, and sign language translation are also provided through the National Institute of Information and Communications Technology. However, the creation of subtitles for live broadcast programs in particular is difficult because of the high cost in labor and money. Given this and other issues involved, a demonstration project for the practical application of an automated voice recognition and subtitling system making use of telecommunication circuits was implemented in FY2018.

For the benefit of persons with hearing disabilities, the Ministry of Health, Labour and Welfare aims to establish facilities for provision of information to persons with hearing disabilities in every prefecture that have libraries of videos containing subtitles (sign language) and engage in producing and loaning of instructional materials for the dissemination of sign language, dispatching sign language interpreters, loaning information equipment, and so on. They are promoting the improvement of these facilities.

4. Enhancement of communication support systems

(1) Communication support by sign language and braille transcription, etc.

In the Community Life Support Project, Communication Support Projects are conducted under which sign language interpreters, etc., are dispatched or assigned for persons who have difficulty in communicating due to hearing, language function, voice function, visual impairment, and other disabilities, and sessions are held to train braille translation or reading volunteers, summary transcribers, sign language

volunteers, and sign language interpreters. Starting in FY2018, training to develop communication facilitators for the support of persons with aphasia has also been positioned as an essential project for the prefectures.

The police in every prefecture are making efforts to use educational movies with subtitles for persons with visual disabilities and to hire sign language interpreters. In order to provide for trouble-free communication between police officers and persons who have difficulty communicating in words, communication support boards have been deployed to every police box, patrol car, and other such facilities, and they are being used.

In the Ministry of Health, Labour and Welfare, a telephone relay service that places operators to support sign language interpretation and written character interpretation so that persons with hearing disabilities can call by themselves has been implemented since FY2017.

(2) Pictorial symbols for communication support and accessible meeting

The Japan Industrial Standards Committee (JISC) has established a standard for pictorial symbols to assist people who have difficulty communicating by letters and spoken language to communicate accurately their intentions and demands to the other party and to be understood correctly by them. Design Principles of Pictorial Symbols for Communication Support (JIS T 0103), and Considerations and Apparatuses for accessible Meetings (JIS S 0042) were established in 2010 as consideration items for meeting organizers so that persons with disabilities can easily participate in conferences.