

Using the escalator with a baby in a stroller is dangerous for the child. Please use the elevator. On station platforms and on-board trains, apply the stopper and hold on to your stroller.

Customer questionnaire now in progress!

Give us your opinions via the questionnaire forms provided on the Transportation Bureau homepage or at stations.

City of Yokohama Call Center

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Open hours: 08:00~21:00

(all year-round)

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Transportation Bureau, City of Yokohama Yokohama-shi Koutsukyoku Kyouryokukai.

See the homepage for details

City of Yokohama Transportation Bureau

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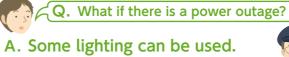








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Trains are equipped with emergency batteries that allow lighting to remain on for at least 30 minutes. Moreover, since lights inside stations and tunnels use multiple power sources they are unlikely to be affected by power outages, and in such an unlikely event, generators can be used to power emergency lighting for a number of hours even if power is interrupted.







Q. Are trains resistant to fire?

A. We are implementing measures to prevent fires on trains.

Subway cars conform to new fire safety standards and are designed to prevent fires from spreading. Trains now use materials that are resistant to burning and melting and are equipped with "gangway doors" to prevent flames from spreading to other carriages.



Gangway door
(prevent fire from spreading

Emergency alarm device

(inside subway trains)

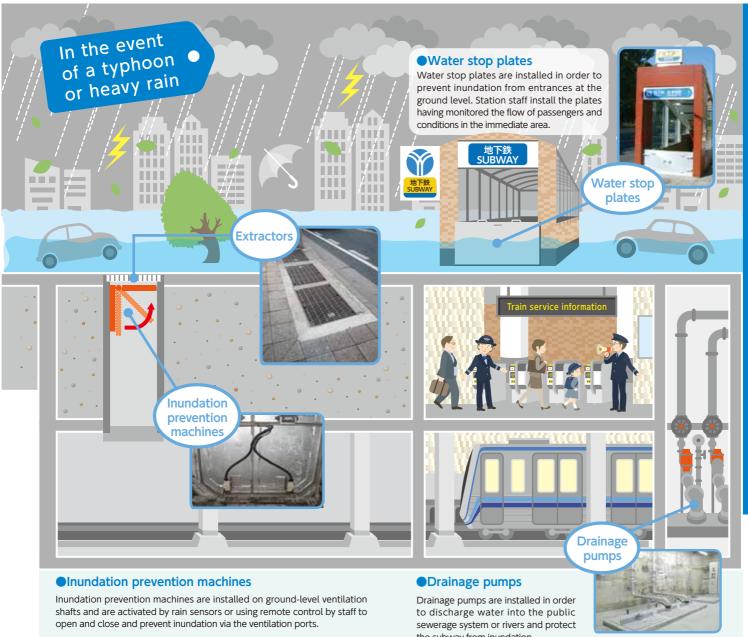
In an emergency, press one of the emergency alarm buttons installed in each carriage to talk directly with the driver or guard. There are four of these buttons installed in each carriage.















sewerage system or rivers and protect the subway from inundation.



Q.Is it safe in the event of tsunami?





If a tsunami warning is issued, trains will initially stop running but wherever possible will attempt to reach the next station. However, if trains are not running due to earthquake damage, or the like, in the inundation forecast area (Yokoha- $\mbox{\it ma}$ Station - $\mbox{\it Maita}$ Station), station staff will guide passengers to an evacuation point (ventilation area) leading to the nearest station or ground level.





Aiming to be a safe mode of transport at all times

Human Resources Development | Safety Training



Improvement of Drivers' Skills

Drivers

In developing drivers, we conduct specialist theoretical and skill education over approximately 9 months aimed at acquiring the "Class A Motor Vehicle Driver's License," which is a national qualification. Also, after drivers acquire licenses, we strive to enhance their skills through implementing emergency response and troubleshooting training in a simulator or using actual rolling stock.

Operation and Handling Training for Abnormal Situations Drivers, Station Staff, and Command Staff

After the end of commercial operations, actual rolling stock is used to conduct training on first aid and response methods assuming fire, train failure or other abnormalities. We also strive to improve knowledge and skills of station staff while verifying equipment operations in abnormal situations and reconfirming the manual.



Single Operator Driving Support Training Station Staff

Station staff implement driver support training assuming trouble scenarios on trains. In the training, staff learn how to respond to

contingencies by using emergency ladders, broadcasting equipment, door switchgear and so on.





General Training for Abnormal Situations

Drivers, Station Staff, Command and Maintenance Staff

The departments implement joint training for recovering from a major earthquake. Actual rolling stock is derailed and staff conduct training on how to guide train passengers to safety, returning the rolling stock to the tracks, restoring electrical equipment and rails and so on. Moreover, members of the public are also invited to take part in this training and help make it more realistic.





Maintenance Staff Training

Maintenance Staff

Maintenance post KY (kiken yochi (risk prediction)) promoters take the initiative in implementing KY training in workplaces. Basic items for limiting human errors are confirmed and safety awareness is improved through holding group discussions.



Tsunami Evacuation Guidance Training

Drivers, Station Staff, Command and Maintenance Staff

Training is implemented on evacuating passengers from a train that has stopped between stations and guiding them to safety assuming the occurrence of a tsunami. We aim to further enhance safety through such training; for example, based on the issues discovered in the training, staircases were installed in two ventilation ports for use as evacuation routes.



Evacuation staircases were installed in two ventilation ports(facilities for ventilating tunnels).









Initiatives by the Transportation Bureau. City of Yokohama





Securing of Safe Train Operation Operation Security Equipment

The ATO (automatic train operation) system has been introduced to assist single operator driving. This ensures safe operation from departure to stopping. Moreover, we take steps to secure safe operation by means of systems for safely stopping trains in the event where drivers experience sudden illness. In addition to enhancing such operation security equipment, the general control centre gives appropriate instructions and conducts reliable equipment operations; $maintenance\ staff\ conduct\ inspections\ and\ maintenance;\ and\ train$ operation staff undergo continuous training geared to preventing major accidents such as crashes and derailments.

Deadman System

The deadman system automatically stops the train if the driver loses consciousness or becomes incapacitated and takes his/her hands off

Train Emergency Stop System

When someone steps onto the tracks for instance, the system is activated by pressing a button which quickly stops nearby trains, thereby preventing accidents. It is installed on all station platforms.

Further Seismic Reinforcement Works **Subway Facilities**

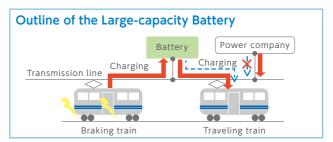
Further seismic reinforcement works aimed at realizing the early resumption of train services in the event of major earthquake are being advanced on a planned basis





Installation of Large-capacity Batteries Subway Facilities

Large-capacity batteries for storing power generated by regenerative brakes were installed and started operation in 2014. Thanks to these, even if a train stops in an area forecasting a tsunami inundation, it can $\label{eq:continuous} % \begin{center} \end{center} \begin{center}$ utilize the battery power to safely and promptly move to the next station. * What are regenerative brakes? These are environmentally friendly brakes that use the train motor to generate electricity that can be used to reduce the train speed or reused in other trains and so on.



Safety measures at times of snowfall Line

Rail heaters are installed to keep points operating at times during snowfall. In cases such as where snow covers the rails on the aboveground sections, trains will operate at reduced speed.



Movable platform fence (platform edge door) **Subway Facilities**

All stations are equipped with movable platform fences (platform edge doors), which operate in tandem with train doors to prevent passengers from falling onto the tracks or being hit by trains. In the event that a passenger gets caught between the train and platform door, a sensor will trip and cause the platform door to open again.



For more information of safety measures on the municipal subway ··

See the "Safety Report" of the City of Yokohama Transportation Bureau for more details on safety measures on Yokohama Municipal

Transportation Bureau, City of Yokohama Safety Report | Search



