

Outline of draft legislation for OBFCM
(Draft partial amendments of “Public Notice that Prescribes Details of Safety Regulations
for Road Transport Vehicles”, etc.)

1. Background

To achieve carbon neutral, comprehensive actions such as promoting Electric vehicles (Pure electric vehicle, Fuel cell hybrid vehicle, Off-vehicle charging hybrid electric vehicle, Non off-vehicle charging hybrid electric vehicle) and further enhancement of fuel/electric efficiency are required in vehicle field.

Globally, some countries and regions, such as State of California (USA), China and France, plan to ban gasoline vehicle by 2030-2040, and EU obligates the installation of OBFCM (On-board Fuel and/or Energy Consumption monitoring Device). In addition, in Working Party on Pollution and Energy (GRPE) of World Forum for Harmonization of Vehicle Regulations (WP.29), performance requirements for battery durability are under discussion in the development of the Global Technical Regulation (GTR).

In Japan, it is needed to take the actions not being late such global initiatives.

2. Outline of Amendment

Amendment concerning Public Notice that Prescribes Details of Safety Regulations for Road Transport Vehicles, etc. shall be as follows:

<Obligation of the installation of OBFCM>

Vehicles (without Mini Vehicles equipping sled or caterpillar, special large size vehicle, special small size vehicle and towed vehicle) shall record/provide lifetime and instantaneous value of fuel consumption and state of health of battery, etc, following the EU regulation ((EU)2017/1151).

- It is not applied to non type approval vehicle.
- For application to Pure electric vehicle and Non off-vehicle charging hybrid electric vehicle, "fuel consumption" is replaced to "electric consumption".
- Requirement to provide the state of health of battery is only applied to vehicle (without motorcycles) whose mass is not exceeding 3,500kg and passenger vehicle whose capacity of ride is not exceeding 9.

3. Proposed Schedule

Date of adoption: around June, 2021

Dates of application: New vehicle type after October, 2023

All new vehicle after September, 2025