

TRUCK PLATOONING

Objective

The logistics industry in Japan is faced with the social issues such as shortage of truck drivers and increase of the greenhouse effect gas, so that the automated driving technology is expected to solve those issues and improve logistics efficiency.

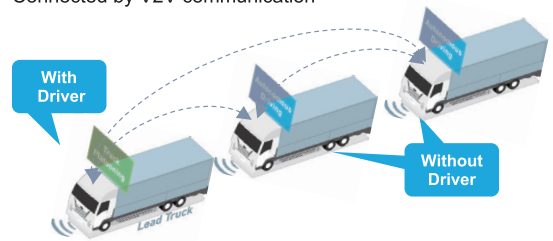
Truck Platooning comprises a number of trucks, and it is expected to save fuel consumption and reduce the number of truck drivers needed by applying the automated driving function to the follower trucks. It is also expected to improve traffic safety by assistance of the follower trucks' braking with no reaction time.

Outline

The Japanese government intends to commercialize the truck platooning without drivers in the follower trucks.

In addition, in order to contribute to the development of the platooning systems without drivers in follower trucks, the government aims for the commercialization the platooning systems with drivers in follower trucks.

Connected by V2V communication



Activities & Roadmap

World first field operational tests of CACC(Jan,2018) and CACC+LKA(Dec,2018) based 4 different brands' truck platooning were conducted on Shin-Tomei expressway.

The government intends to realize the truck platooning without drivers in the follower trucks in FY2020, and intends to commercialize as earliest after FY2022.

