

# Objective of Making Technical Requirements in LKAS(Lane Keeping Assist System)

## **TO PREVENT THE DRIVERS/THE OTHER VEHICLES CONFUSION**

That is making the provisions as the minimum requirement to prevent the drivers/the other vehicles confusion and becoming their safety worse if there is no requirement.

*For examples of drivers confusion:*

- *Driver understands the "on" state, but system is "off" state.*
- *The system changes to off state unintentionally due to functional limitation without any information to the driver.*
- *Driver can not override the system control.*
- *Unintentional vehicle behavior for the other drivers*

*etc.*

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## **TO ENSURE THE MINIMUM PERFORMANCE**

If the vehicle equipped with Lane Keeping Assist System(LKAS), the driver expects that the system assists a vehicle to keep inside of lane. On the other hand, some systems may keep the lane, the other may not. Therefore, it is necessary to prescribe the minimum requirement of LKAS function for meeting driver's expectation.