

China's comments on the test specifications of ALKS

Section 3.3.2 stipulates that the deceleration of the lead vehicle of at least 6m/s^2 means fully developed deceleration. However, the deceleration requirement for the leading vehicle in AEB regulation is 4m/s^2 , which is different from the requirement in ALKS. It puts forward a rather high level requirement to the ALKS system that the current products might not be able to meet.

In 3.5, the requirement for the evasive action and the timing for evasion of the preceding vehicle in response to the static object is not specified in the current document. That means the test procedures may vary among different test services. It is recommended to specify the maneuver of the leading vehicle in order to test the ALKS function of the test vehicles under the same basis.

In 4.4.1, the minimum activation time of ALKS is required to be tested, but what is activation time is not clearly defined in the current document.

In 3.1, curve test is one of the essential tests for assessing the lane keeping performance of the ALKS system. In order to test the vehicles in the same basis, it is recommended to provide the radius of the curve for the testing, or at least the principle for the selection of the test curve(s).
